SCHAEFER

2015/2016 SOURCE BOOK

www.schaeferventilation.com

Agriculture | Commercial | Horticulture | Industrial | Rental | Show Animals

SCHAEFER

Schaefer Ventilation Equipment designs, manufactures and distributes powerful, reliable, cost effective and energy efficient ventilation and thermal comfort products to agricultural, industrial, commercial and government customers in the US and abroad via an extensive network of dealers and resellers. Unless otherwise noted, Schaefer's products are assembled in the US from parts procured in the US and abroad and are backed by industry leading customer service and solution design advice and by a 2-year limited warranty.

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Schaefer Testing Standards

At Schaefer, all of our fans are tested in-house using certified and calibrated test equipment and test. Our most in-demand fans are tested at AMCA-certified BESS Lab at the University of Illinois in accordance with the latest ANSI/AMCA Standard 230-12. Although many energy rebate granting agencies will only accept results from BESS Lab, Schaefer's in-house performance results are also accurate and reliable. Performance results obtained at BESS Lab are marked with this stamp **BL** and in-house performance results are marked with this stamp ***S***.

Circulation fan performance tests yield a thrust measurement, measured in pounds force. ANSI/AMCA Standard 230-12 provides a formula for converting thrust to airflow rate in cubic feet per minute (Equation 9.6) which yields airflow rates approximately 29% lower than the formula previously provided in ANSI/AMCA Standard 230-99. Schaefer continues to use the formula from ANSI/AMCA Standard 230-99 unless otherwise noted. Fan manufacturers have been reluctant to embrace the 230-12 standard. Schaefer recommends using caution when comparing airflow rates and to use thrust measurements to compare the performance of different manufacturers' circulation fans.

Schaefer Warranty

Unless otherwise noted, Schaefer's products are backed by a two-year limited warranty. To read our full Product Warranty go to www.schaeferventilation.com/policies/warranty/

Schaefer Terms and Conditions

For full payment, lead time and shipping information go to www.schaeferventilation.com/policies/terms-and-conditions/

All information, illustrations and specifications in this catalog are based on the latest product information available at the time of printing.

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Letter from the President

Welcome to Schaefer's 2015/2016 Source Book, your resource for solving your or your customers' ventilation or thermal comfort needs.

For additional information, please visit our new and innovative website www.schaeferventilation.com or call our Customer Care Center at 1.800.779.3267 to get your questions answered.

For 2015 we have many exciting product additions including:

- **VFD compatible motors,** ½ through 3 hp, have been incorporated into a broad assortment of fans for greater efficiency and ventilation flexibility.
- **Explosion proof motors** and non-sparking blades have been added to a limited number of fans for use in hazardous locations.
- **ImportBeater™** circulation fans offer Schaefer quality at an import price.
- **Low-cost "standard" and feature-rich "premium" ducting** is now available for use with Schaefer's industry leading Americ® confined space ventilators.
- **54" surface mount, galvanized exhaust fans** for global poultry applications come in High Volume, High Efficiency and Hybrid (best of both worlds) versions.
- **Schaefer F5™** is our best-selling show cattle cooling fan.
- **SuperCooler™**, Schaefer's 54" through-the-roof, dairy cooling fan for extremely hot and arid climates, is a new alternative to FlipFan®.

For new and existing products, we continue to provide the accurate specification and performance data and application pictures you need to select the right fan.

We know that our customers want to know where products are manufactured and that many of our competitors are less than candid on this issue. Schaefer products are as follows:

- "Made in the USA" means we assemble the product in the US with NAFTA country motors.
- "Assembled in the USA" means we assemble the product in the US with non-NAFTA country motors.
- "Imported" (or no marking) means we import and resell the assembled product.

Thank you for your interest in Schaefer's broad line of efficient, reliable and innovative thermal comfort solutions. Schaefer's dealers and employees look forward to working with you.

Neil Crocker

Deep Guard Circulation Fans

VK12

INDUSTRY STANDARD FOR GREENHOUSE VENTILATION

VK24

VK12TF-SPM-W

INDUSTRY STANDARD FOR TENTS AND EVENTS

F5-24

INDUSTRY STANDARD FOR SHOW CATTLE

Versa-Kool® Deep Guard and Schaefer F5™ Circulation Fans

Reduce heat stress and improve air quality with Schaefer's deep guard circulation fans. Unrivaled in the industry, these fans are engineered to produce greater air movement and superior cooling with less noise. You don't hear them. You don't see them. You only feel them!

Features and Benefits

- Deep guard design for high airflow, low noise levels and safety
- Matched high quality motors and blades for maximum efficiency
- Powder coated steel guards for increased durability and corrosion resistance
- Hot dipped galvanized guards on VK12-GA and VK20-GA models for even greater rust protection
- Powder coated steel mounting bracket and power cord included
- Wide variety of mounting options available for flexible and easy installation
- Variable speed controls available
- Misting kits available for even greater cooling

2 YEAR WARRANTY

White Model	Black Model	Diameter	Variable Speed	Phase	HP	Volts	Amps	CFM	Thrust (lbf)	RPM	Weight	Tested
VK8	N/A	8"	N	1	1/100	115	0.6	450	.19	1550	8	***S***
Best Seller! **VK12**	**VK12-B**	12"	Y	1	1/10	115/230	1.3/.65	1470	.85	1725	18	**BL**
VK12-GA*	N/A	12"	Y	1	1/10	115/230	1.3/.65	1470	.85	1725	18	**BL**
VK12TF-SPM-W	N/A	12"	Y	1	1/10	115/230	1.3/.65	1510	.90	1725	18	**BL**
Best Seller! **VK20**	**VK20-B**	20"	Y	1	1/3	115/230	3.8/1.9	5470	4.26	1725	37	**BL**
VK20-3	**VK20-B-3**	20"	N	3	1/2	230/460	1.2/0.6	5830	5.06	1750	37	***S***
VK20-GA*	N/A	20"	Y	1	1/3	115/230	3.8/1.9	5470	4.26	1725	37	**BL**
N/A	**F5-20**	20"	Y	1	1/3	115/230	3.8/1.9	5400	4.14	1725	34	**BL**
VK24	**VK24-B**	24"	Y	1	1/2	115/230	4.8/2.4	7860	6.10	1725	46	**BL**
VK24-3	**VK24-B-3**	24"	N	3	1/2	230/460	1.2/0.6	7750	5.90	1750	46	**BL**
Best Seller! N/A	**F5-24**	24"	Y	1	1/2	115/230	4.8/2.4	7680	5.80	1725	43	**BL**

- Other motor, blade and mount combinations available
- Mount models without OSHA guards seven feet or higher

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

36" and 42" Versa-Kool® Yoke Mount Circulation Fans

VK36

These durable and aesthetically pleasing fans feature a high airflow with a wide airflow pattern, which reduces the number of fans needed for complete coverage. The industry standard VK36 is joined by the VK42, with 25% greater airflow.

- Powerful ½ hp motor provides high airflow with a wide airflow pattern for excellent coverage
- High density polyethylene housing for superior corrosion and moisture resistance, wide temperature range capability and high stress crack, wear and abrasion resistance
- Wide spaced steel guards dipped in zinc and powder coated for superior corrosion resistance
- Matched thermally protected TEAO motors and blades for high performance and long life
- Wide spacing, deep housing design enhances performance without sacrificing safety
- 19" T-shaped, powder coated steel fan mount included
- OSHA compliant guards available
- Ships fully assembled

Model	Diameter	Phase	Mount Included	Cord Included	HP	Volts	Amps	Thrust (lbf)	CFM	RPM	Weight	Tested
Best Seller! **VK36**	36"	1	Y	N	1/2	115/230	7.0/3.5	5.83	11,400	825	70	**BL**
VK36-3*	36"	3	Y	N	1/2	230/460	2.3/1.2	5.82	11,380	825	70	**BL**
VK42	42"	1	Y	N	1/2	115/230	7.0/3.5	7.13	14,850	825	75	**BL**
VK42-3*	42"	3	Y	N	1/2	230/460	2.3/1.2	6.28	13,970	825	75	**BL**

* 3-phase models available with VFD compatible motors

36" Direct Flow Yoke Mount Basket Fans

36DF

This is Schaefer's most popular 36" agriculture circulation fan. This fan features very high airflow with a narrow airflow pattern to deliver high volumes of fast moving air to cool cows and other animals.

- Powerful ½ hp motor provides high airflow with a narrow airflow pattern for very high air speeds and effective cooling
- Thermally protected TEAO motors with matching blades for high performance and long life
- Safety spaced steel guards dipped in zinc and powder coated for superior corrosion resistance
- Easy open guards for cleaning and/or blade replacement
- 19" T-shaped, powder coated steel fan mount included
- Ships fully assembled, but available unassembled for high packing density and low shipping cost

Model	Diameter	Phase	Mount Included	Cord Included	HP	Volts	Amps	Thrust (lbf)	CFM	RPM	Weight	Tested
Best Seller! **36DF**	36"	1	Y	N	1/2	115/230	7.0/3.5	7.74	13,140	825	70	**BL**
36DF-3*	36"	3	Y	N	1/2	230/460	2.3/1.2	7.63	12,970	825	70	**BL**

* 3-phase models available with VFD compatible motors

36" Versa-Kool® Oscillating Wall Mount and Chain Mount Fans

VKC36

VKW036-B

Reduce heat stress and improve air quality with Schaefer's 36" oscillating or chain mounted circulation fans. Designed for high airflow and high efficiency, these versatile and durable fans are the ideal cooling solution for any industrial or commercial facility.

- Deep guard design for unmatched performance at low quiet noise levels; rated up to 11,700 cfm!
- OSHA compliant guards available
- High density polyethylene housing for superior corrosion and moisture resistance, wide temperature range capability and high stress crack, wear and abrasion resistance
- Matched high quality totally enclosed motors and blades for maximum performance and efficiency
- Wall mounts provide 90 degrees of oscillation for cooling larger areas
- Chain mounts provided for easy installation
- Misting kits available for even greater cooling

White Model	Black Model	Diameter	Phase	Mount Included	Cord Included	HP	Volts	Amps	Thrust (lbf)	CFM	RPM	Weight	Tested
VKC36	**VKC36-B**	36"	1	N	N	1/2	115/230	7.0/3.5	5.98	11,690	825	71	**BL**
VKC36-3*	**VKC36-B-3***	36"	3	N	N	1/2	230/460	2.3/1.2	5.98	11,690	825	71	***S***
VKW036	**VKW036-B**	36"	1	Y	Y	1/2	115/230	7.0/3.5	5.98	11,690	825	130	**BL**

* 3-phase models available with VFD compatible motors

Mount models without OSHA guards seven feet or higher.

OSHA Compliant Circulation Fans

OSHA Compliant Fixed Mount Circulation Fans

Schaefer's OSHA compliant fixed and oscillating circulation fans meet all OSHA safety regulation while delivering maximum airflow. These 2-speed fans have the versatility to be mounted on a ceiling, wall, pedestal or cart, which makes them the ideal cooling solution for any commercial, industrial or agricultural facility.

Twister™ oscillating fans rotate 90°, cooling up to 4000 square feet. Twister's oscillating motor utilizes the highest quality metal gear design and construction, providing unparalleled strength and reliability in a fan market saturated with less dependable plastic gears.

Features and Benefits

- Matched direct drive motors and blades for highest achievable levels of airflow, rated up to 12,000+ cfm
- Thermally protected, heavy-duty, maintenance fee, 2-speed motors for long life
- Powder coated steel guards for corrosion resistant and durability

2 YEAR WARRANTY

Hazardous Location Models Coming Soon

White Model	Black Model	Diameter	Speeds	HP	Volts	Amps	Thrust (lbf)	CFM	RPM	Weight	Tested
Non-Oscillating Fan Head - Made in USA											
20CFO	20CFO-B	20"	2	1/4	115	2.9/1.6	2.45/1.34	4050/3000	1100/800	30	S
24CFO	24CFO-B	24"	2	1/4	115	2.9/1.6	2.85/1.51	5280/3850	1100/800	34	S
Best Seller! 30CFO	30CFO-B	30"	2	1/2	115	5.2/2.8	5.89/3.24	9420/7000	1075/850	53	S
36CFO	36CFO-B	36"	2	1/2	115	5.2/2.8	6.82/3.56	12,120/8750	1075/850	59	S
Twister Oscillating Fan Head - Assembled in USA											
NEW IN 2014! TW20W	TW20B	20"	2	1/4	115	3.0	2.53/1.76	4100/3400	1075/750	33	S
TW24W	TW24B	24"	2	1/4	115	3.0	2.99/2.44	5400/4900	1075/750	37	S
TW24HVW	TW24HVB	24"	2	1/2	115	5.9	4.60/3.83	6700/6200	1075/750	37	S
TW30W	TW30B	30"	2	1/2	115	5.9	6.24/4.82	9600/8500	1075/750	62	S
TW36W	TW36B	36"	2	1/2	115	5.9	7.28/5.16	12,600/10,600	1075/750	68	S

TW24B-PB with wheelkit

OSHA Compliant Pedestal Fans and Fan Carts

Unlike cheap imported fans, Schaefer OSHA compliant portable circulation fans with heavy-duty pedestal or carts move a lot of air and last many years.

Schaefer portable circulation fans deliver quiet, powerful, efficient and long lasting air movement. Use these rugged portable fans in warehouses, work areas, loading docks, greenhouses, farms, and other locations where quality matters.

- Available with square, round, or tripod pedestals or fan carts
- Optional wheel kit for square pedestal available by ordering FP-Wheelkit

24FC

Fan Head (see above)		Fan with Square Black Pedestal		Fan with Round Black Pedestal		Fan with Tripod Black Pedestal	Fan and Black Cart	
White	Black	White	Black	White	Black	Black	White	Black
Non-Oscillating Fan Head - Made in USA								
20CFO	20CFO-B	20PF	20PF-B	20PFR	20PFR-B	20TPQR-B	20FC	20FC-B
24CFO	24CFO-B	24PF	24PF-B	24PFR	24PFR-B	24TPQR-B	24FC	24FC-B
30CFO	30CFO-B	30PF	30PF-B	30PFR	30PFR-B	-	Best Seller! 30FC	30FC-B
36CFO	36CFO-B	36PF	36PF-B	-	-	-	-	-
Twister Oscillating Fan Head - Assembled in USA								
NEW IN 2014! TW20W	TW20B	TW20W-PB	TW20B-PB	TW20W-PRB*	TW20B-PRB	TW20B-TPQR	-	-
TW24W	TW24B	TW24W-PB	TW24B-PB	TW24W-PRB*	TW24B-PRB	TW24B-TPQR	-	-
TW24HVW	TW24HVB	TW24HVW-PB	TW24HVB-PB	TW24HVW-PRB*	TW24HVB-PRB	TW24HVB-TPQR	-	-
TW30W	TW30B	TW30W-PB	TW30B-PB	TW30W-PRB*	TW30B-PRB	-	-	-
TW36W	TW36B	TW36W-PB	TW36B-PB	-	-	-	-	-

* "-PRW" for fan with white round pedestal

24CFO-SWDS

Washdown Duty Circulation Fans

Increase productivity and improve work area safety with high performance Schaefer washdown duty air circulators. Designed to withstand frequent washing and for long life in wet and moist environments these fans are ideal for food and beverage processing facilities, kitchens, hospitals and other clean, corrosive or humid environments.

2 YEAR WARRANTY

Features and Benefits

- Choice of 3 sizes: 20", 24" and 30" diameter
- Corrosion resistant electro-polished 304 stainless steel, OSHA compliant, guards
- Extremely high airflow compared to competitive offerings
- Pedestals and stainless steel wall mounts available

Blade Choices

Stainless Steel

Excellent corrosion resistance. Electro-polished surface for easy cleaning and minimal bacteria growth. Meets USDA, FDA and NSF/ANSI/3-A standards. Rigid enough to be pressure washed while operating.

Polypropylene

A less expensive option. Excellent corrosion resistance. Excellent tolerance to a broad range of chemicals. Lighter weight. Should not be pressure washed while operating. The only blade choice for anodized aluminum motors.

Motor Choices

Stainless Steel

Best for frequent washdowns. IP55 enclosure protection. Meets USDA and NSF/ANSI/3-A standards. 1- and 3-phase. 3-phase is VFD compatible. 2-year warranty.

Epoxy Coated

Very powerful motors. Best for occasional washdowns. USDA and FDA approved corrosion resistant white epoxy finish. IP55 enclosure protection. 1- and 3-phase. 1-year warranty.

Anodized Aluminum

Best for high temperature applications. Only available with a polypropylene blade. IP55 enclosure protection. Class F insulation. Meets UL, CSA and CE standards. 1-phase is speed controllable. 3-phase is VFD compatible. 3-year warranty.

Washdown Fan Model Numbers

20" Diameter • 1-Phase

Motor Type	Stainless Steel Blade	Polyethylene Blade
Stainless steel 1/2 hp, 115/230V	**20CFO-SWDS** 5200 cfm	-
Epoxy coated 1/3 hp, 115/230V	**20CFO-EWDS** 5480 cfm	**20CFO-EWDP** 4920 cfm
Anodized aluminum 1/3 hp, 120V*	-	**20CFO-VWDP** 5130 cfm Best Seller!

20" Diameter • 3-Phase

Motor Type	Stainless Steel Blade	Polyethylene Blade
Stainless steel 1/2 hp, 208-230/460V**	**20CFO-SWDS-3** 5200 cfm	-
Epoxy coated 1/3 hp, 208-230/460V	**20CFO-EWDS-3** 6000 cfm	**20CFO-EWDP-3** 5040 cfm
Anodized aluminum 1/3 hp, 240/460V**	-	**20CFO-VWDP-3** 5370 cfm

24" Diameter • 1-Phase

Motor Type	Stainless Steel Blade	Polyethylene Blade
Stainless steel 1/2 hp, 115/230V	**24CFO-SWDS** 7010 cfm Best Seller!	**24CFO-SWDP** 7310 cfm
Epoxy coated 1/3 hp, 115/230V	**24CFO-EWDS** 7020 cfm	-
Epoxy coated 1/2 hp, 115/230V	**24CFO-EWDS-HV** 7270 cfm	**24CFO-EWDP-HV** 7350 cfm
Anodized aluminum 1/3 hp, 120V*	-	**24CFO-VWDP** 6980 cfm
Anodized aluminum 1/2 hp, 120V*	-	**24CFO-VWDP-HV** 7880 cfm

24" Diameter • 3-Phase

Motor Type	Stainless Steel Blade	Polyethylene Blade
Stainless steel 1/2 hp, 208-230/460V	**24CFO-SWDS-3** 6910 cfm	**24CFO-SWDP-3** 7450 cfm
Epoxy coated 1/3 hp, 208-230/460V	**24CFO-EWDS-3** 7980 cfm	-
Epoxy coated 1/2 hp, 208-230/460V	**24CFO-EWDS-3-HV** 7410 cfm	**24CFO-EWDP-3-HV** 7450 cfm
Anodized aluminum 1/3 hp, 240/460V**	-	**24CFO-VWDP-3** 8340 cfm
Anodized aluminum 1/2 hp, 240/460V**	-	**24CFO-VWDP-3-HV** 8340 cfm

30" Diameter • 1-Phase

Motor Type	Stainless Steel Blade	Polyethylene Blade
Stainless steel 1/2 hp, 115/230V	**30CFO-SWDS** 10,650 cfm	-
Epoxy coated 1/2 hp, 115/230V	**30CFO-EWDS** 10,030 cfm	-
Anodized Aluminum 1/2 hp, 120V*	-	**30CFO-VWDP** 10,140 cfm

30" Diameter • 3-Phase

Motor Type	Stainless Steel Blade	Polyethylene Blade
Stainless steel 1/2 hp, 208-230/460V**	**30CFO-SWDS-3** 10,440 cfm Best Seller!	-
Epoxy coated 1/2 hp, 208-230/460V	**30CFO-EWDS-3** 9970 cfm	-
Anodized aluminum 1/2 hp, 240/460V**	-	**30CFO-VWDP-3** 11,570 cfm

* Motors can be speed-controlled
** Motors can be run on variable frequency drive (VFD)

IB12

IB20

ImportBeater™ Circulation Fans

Schaefer's made-in-America ImportBeater™ circulation fans reduce heat stress and improve air quality with "import beater" value. These wall- and ceiling-mounted fans are designed to circulate large volumes of air in barns, greenhouses, factories and warehouses.

Features and Benefits

- Expanded guard spacing for maximum air movement and low noise
- Powder coated steel guards for corrosion resistance and durability
- Low noise levels and quiet operation
- Thermally protected TEAO motor, with matching blades for high performance and long life
- UL and CSA certified motor for added safety

Model	Diameter	Phase	Mount Included	Cord Included	HP	Volts	Amps	Thrust (lbf)	CFM	RPM	Weight	Tested
IB12	12"	1	N	Y	1/15	115/230	1.2/0.6	7.5	1160	1650	14	**BL**
Best Seller! **IB20**	20"	1	N	Y	1/4	115/230	2.8/1.4	11.7	5090	1600	25	**BL**
IB24	24"	1	N	Y	1/3	115/230	3.6/1.8	11.5	6290	1650	32	**BL**
IB30	30"	1	N	Y	1/3	115/230	3.6/1.8	18.3	9570	1650	40	**BL**
Best Seller! **IB36**	36"	1	N	Y	1/3	115/230	4.2/2.1	22.8	12,290	1140	43	**BL**

BD72-208460-3

BIGDOG® 72" Industrial Circulation Fan

Do you have a big space that requires a lot of air circulation? Look no further than the BIGDOG®. Unlike ceiling fans that move a lot of air at low speeds resulting in minimal cooling, the BIGDOG moves massive amounts of air at high speed for extremely efficient and effective cooling.

The ultimate multitasker, BIGDOG provides the cooling employees need in the summer to stay safe and more productive, while de-stratifying (pushing warm air down from the ceiling) in the winter to increase comfort and lower energy costs. One BIGDOG fan replaces up to 20 smaller circulation fans and fits conveniently in corridors and between sprinklers.

Features and Benefits

- 60,000 cfm of air movement and personnel cooling for over a 200 x 35 foot area
- Extremely quiet operations, at even the highest speeds, allowing for easy conversation and more comfortable working conditions
- Durable fiberglass air deflectors for adjustable airflow
- Specially designed cable, pole and wall mounts available for proper place placement to deliver maximum airflow
- Variable speed drive option for smooth speed adjustment requiring as little as 300 watts of power, leading to best in class energy efficiency of 40 cfm/watt
- Misting kits available for even greater cooling
- Single phase model available by special order
- Imported

Model	Diameter	Phase	HP	Volts	Amps (Max)	RPM	Thrust (lbf)	CFM	Tested
Best Seller! **BD72-208460-3***	72"	3	3	208/230/460	10.5	300/50	48.54	64,500/10,000	***S***

* 3-phase models available with VFD compatible motors

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

543GP1

Galvanized Steel Panel Fans

Schaefer's galvanized steel panel fans combine low cost, high airflow and high air speeds for very high ROI livestock cooling. These fans are designed for agricultural livestock buildings requiring large volumes and velocities of air with a belt driven preference.

Features and Benefits

- Industry leading airflow and efficiency with airflows up to 40,000 cfm and efficiencies up to 40 cfm/watt
- Lab tested design for maximum performance and quiet operation
- Heavy gauge galvanized and powder coated steel components
- Thermally protected TEAO motors for long life
- Optional post and column mounts available
- Ships fully assembled complete with belt tensioner

Warning: Using a VFD to speed control a motor that is not VFD compatible voids the Schaefer warranty.

Galvanized Panel Fan Options

Diameters: 24", 36", 48", 52" and 54"
Configurations: Direct-drive (24" and 36"); belt-drive (36", 48", 52" and 54")
Blade Type: Galvanized steel, stainless steel (52" only) or cast aluminum (52" only)
Blade Style: 3-wing or 5-wing
Motor Horsepower: 1/2 , 3/4, 1, 1-1/2 or 2
Motor Phase: 1-phase or 3-phase

2 YEAR WARRANTY

Model	Diameter	HP	Phase	Volts	Amps	CFM	CFM/watt	Thrust (lbf)	Thrust Efficiency (lbf/kW)	Tested
Best Seller! 523GP1	52"	1	1	115/230	8.4/4.2	33,520	26.6	23.9	26.8	BL
523GP1-3*	52"	1	3	208-230/460	3.2/1.6	33,800	23.4	24.3	23.9	BL
543GP112	54"	1.5	1	208-230	6.8-6.4	42,140	19.6	35.6	23.5	BL
543GP112-3*	54"	1.5	3	208-230/460	5.0/2.5	42,990	20.9	35.0	24.0	BL

• Other motor, blade and mount combinations available
* 3-phase models available with VFD compatible motors

523P1

52" Polymer Panel Fans

Schaefer offers sophisticated and impact resistant 52" polymer panel fans. These belt drive fans deliver an incredible amount of air, draw very little energy and make less noise then most fans. Ideal for agricultural facilities with a higher susceptibility to corrosion and "show dairies" requiring specific aesthetics.

Features and Benefits (in addition to galvanized panel fans features and benefits)

- Polymer housing with UV inhibitors and gloss finish for durability and corrosion resistance
- Heavy-duty, totally enclosed, maintenance free, energy efficient motors for long life
- Galvanized (3- or 5-wing), stainless (3- or 6-wing) and cast aluminum (3-wing) blades available
- 1 and 1½ hp motors available

2 YEAR WARRANTY

Best Sellers

Model	Diameter	HP	Phase	Volts	Amps	CFM	CFM/watt*	Thrust (lbf)	Thrust Efficiency (lbf/kW)	Tested
523P1	52"	1	1	115/230	9.8/4.9	33,520	24.4	24.3	25.0	BL
523P1-3*	52"	1	3	208-230/460	3.2/1.6	34,220	23.4	24.7	23.9	BL

* 3-phase models available with VFD compatible motors

Panel Fan Mounting Options

Model	Description	Fan Size
PANELCMKIT3.5	Galvanized fan mount for panel fans with 3-1/2" collar for round columns with hardware	36" - 54"
PANELCMKIT4.5	Galvanized fan mount for panel fans with 4-1/2" collar for round columns with hardware	36" - 54"
PANELCMKIT5.5	Galvanized fan mount for panel fans with 5-1/2" collar for round columns with hardware	36" - 54"
PANELCMKIT6.5	Galvanized fan mount for panel fans with 6-1/2" collar for round columns with hardware	36" - 54"
PANELPM-UKIT	Galvanized fan mount with 90 degree bend for mounting panel fans to square post includes brackets and hardware	36" - 54"

For safety and long fan life, mount panel fans seven feet or higher and in accordance with installation manual.

VKM36-B

Versa-Kool® Mobile Drum Fans

Tired of continually replacing your mobile drum fans? Schaefer mobile drum fans have "bulldog-tough" polyethylene housing and durable reinforced galvanized steel wheel carriage for impact and rust resistance. These fans are built to last, be the best looking fans in the industry and move massive amounts of air at high velocities. A single "bulldog-tough" mobile fan will not only take the place of several lower performance fans, but out live them as well, lasting for 10+ years.

VKT36-B

Features and Benefits

- High density polyethylene housing for superior impact, abrasion and temperature cracking resistance
- Galvanized steel base for complete corrosion resistance inside and out
- Narrow fan profile, and ergonomic pull and base handles for easy portability
- Large rubber wheels mounted inside the fan profile for convenience and safety
- Stacking tabs for storage and transportation savings included on OSHA models and optional on other models
- 12 foot long cord and cord wrap for easy cord management
- 90 degrees of movement on oscillating portable drum fans for larger cooling coverage
- 36" and 42" models available with 1" UL 507 compliant guard for lower cost and even greater airflow

VK036

White Model	Black Model	Diameter	Speeds	HP	Volts	Amps	Drive	Thrust (lbf)	CFM	RPM	Weight	Tested
Versa-Kool Drum Fan and Tiltable Fans												
VKM24-0	N/A	24"	1	1/2	115	5.2	Direct	3.18	5640	1075	48	*S*
VKM24-2-0	N/A	24"	2	1/2	115	5.2	Direct	3.18	5640/4580	1075	48	*S*
Best Seller! **VKM36**	**VKM36-B**	36"	1	1/2	115/230	7.0/3.5	Direct	5.74	11,700	825	85	**BL**
VKM36-0	**VKM36-B-0**	36"	1	1/2	115/230	7.0/3.5	Direct	5.02	11,700	825	85	**BL**
VKM36-2-0	**VKM36-2-B-0**	36"	2	1/2	115	5.2	Belt	3.62	11,000/7700	1075/850	105	**BL**
New Design **VKM42-2-0**	**VKM42-2-B-0**	42"	2	3/4	115	12.3	Belt	N/A	16,600/10,900	1725/1140	140	**BL**
Versa-Kool Tiltable Fans												
VKT36-0	**VKT36-B-0**	36"	1	1/2	115/230	7.0/3.5	Direct	5.74	11,700	825	107	**BL**
VKT36-2-0	N/A	36"	2	1/2	115	5.2	Belt	3.62	11,000/7700	1725/1140	127	*S*
Versa-Kool Mobile Oscillating Fans												
VK036	**VK036-B**	36"	1	1/2	115/230	7.0/3.5	Direct	6.0	11,700	825	180	**BL**
VK036-2	N/A	36"	2	1/2	115	5.2	Belt	3.62	11,000/7700	1725/1140	198	*S*

• Model numbers for UL507 guards - remove the "-0"

M0B4851-2

48" Heavy-Duty Mobile Box Fan

Schaefer's rugged mobile box fan is ideal for applications were light portable fans do not last. These "ultra quiet" heavy-duty fans move large amounts of air into, out of, or through any work area, making them perfect for cooling people, processes and equipment. Schaefer's 48" mobile box fan is the ideal solution for safe, portable cooling in any industrial or commercial setting and can be used as a circulation fan or a portable inlet or exhaust fan.

Features and Benefits

- Industrial grade, galvanized steel housing withstands the rigors of the work environment
- 2-speed, single phase, totally enclosed motor with automatic thermal protection
- Front and back OSHA compliant guards for maximum safety

Model	Diameter	Speeds	HP	Volts	Amps	CFM	RPM	Weight	Tested
M0B4851-2	48"	2	1	115	12.4/6.4	14,100/9710	1725/1140	270	*S*

Tuff & Gusty™

Economy Circulation Fans

Circulation fans, heavy-duty drum fans, confined space ventilators or carpet dryers, Schaefer's line of imported economy fans are are loaded with features but priced very aggressively for your indoor and outdoor cooling and ventilation needs. The fans are UL507 certified but use of GFCI outlets is recommended.

Confined space ventilators and carpet dryer are recommended for light duty applications, have reliable performance at a cost-effective price, and are not UL listed.

Features and Benefits

- Quiet operation, high efficiency and output
- OSHA compliant safety guards
- Totally enclosed, maintenance free, high efficiency motors with completely sealed bearings and built-in thermal overload protection
- Powder coated guards
- Pull chain speed adjustments on wall/pedestal/ceiling fans
- Fully adjustable wall or ceiling mount for 18" fans
- Fully adjustable wall or pedestal mount for 24" and 30" fans
- 360 degrees of tilt, cord wrap and carry handle on drum fans
- Imported

TG10-3CDO

TG13-1CSVY

Wall Model	Pedestal Model	Diameter	Speeds	Volts	Amps	CFM	Color	Tested
Outdoor Rated Wall and Pedestal Mounted Fans								
Best Seller! TG18-3WW	N/A	18"	3	115	1.47/1.33/1.01	3040/2590/1970	White	S
TG18-3WB	N/A	18"	3	115	1.47/1.33/1.01	3040/2590/1970	Black	S
TG24-3WB Limited Quantity	TG24-3PB	24"	3	115	2.5/1.9/1.5	5470/3890/3260	Black	S
TG24-3WOSCW	TG24-3POSCW	24" Oscillating	3	115	2.5/1.9/1.5	5470/3890/3260	White	S
TG24-3WOSCB Limited Quantity	TG24-3POSCB	24" Oscillating	3	115	2.5/1.9/1.5	5470/3890/3260	Black	S
TG30-3WW	TG30-3PW	30"	3	115	2.4/1.8/1.5	6800/4850/4070	White	S
TG30-3WB	TG30-3PB	30"	3	115	2.4/1.8/1.5	6800/4850/4070	Black	S
TG30-3WOSCW	TG30-3POSCW	30" Oscillating	3	115	2.4/1.8/1.5	6800/4850/4070	White	S
TG30-3WOSCB	TG30-3POSCB	30" Oscillating	3	115	2.4/1.8/1.5	6800/4850/4070	Black	S

Model	Diameter	Speeds	Volts	Amps	CFM	Color	Tested
Drum Fans							
TG42-1DG Limited Quantity	42"	1	115	5.8	18,250	Gray	S

Floor and Carpet Dryer								
Best Seller! TG10-3CDO	10"	3	115	4.6/3.1/2.5	1040/990/910	Orange	S

Confined Space Ventilators							
TG9-1CSVY Limited Quantity	9"	1	115	1.83	960	Yellow	S
TG13-1CSVY	13"	1	115	5.0	2610	Yellow	S

Americ® Confined Space Ventilators

VAF3000A/B

FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY

VAF1500A/B

Confined Space Ventilators

Why take the chance with "less than the best", when lives are on the line?

Often imitated but never duplicated, Schaefer's Americ® confined space ventilators are the industry standard when it comes to providing safe and reliable ventilation in any confined space working environment. These blowers are rugged and reliable while providing unrivaled performance to ensure a safe, comfortable and controlled environment in the most extreme areas.

Features and Benefits

- Industry leading airflow in all sizes, rated from 750-10,000 cfm
- Dual wall polyethylene housing designed to withstand the harshest of conditions, providing years of durability and dependability
- Premium quality motors rated for over 100,000 hours of heavy-duty, continuous use for unmatched return on investment
- Safety tested to UL, CSA and CE certifications, exceeding industry standards
- Positive and negative airflow (blows and extracts)
- Lightweight for easy portability
- Stackable to save storage space
- Extensive line of accessories for ease of use and storage

3 YEAR WARRANTY

VAF8000A/B

FOR USE IN NON-EXPLOSIVE ENVIRONMENTS ONLY

VAF3000P

INTRINSICALLY SAFE

Model	Diameter	Volts AC	Phase	Frequency	HP	Current Amps	RPM	Max SP	Free Air CFM	Weight	Tested
8" Utility Ventilator 18.5"H x 18.5"L x 12.5"W											
VAF1500A*	8"	115	1	60Hz	1/4	2.5	3200	1.5"	877	18	S
VAF1500B^	8"	220	1	50Hz	1/4	1.3	3200/2260	1.5"	749	18	S
12" Industrial Ventilator 21"H x 17"L x 14"W											
Best Seller! **VAF3000A***	12"	115/100	1	60/50Hz	1	8.0/5.7	3300/2800	3"	2796	32.5	S
VAF3000B* ^	12"	220/240	1	50Hz	1	4.2	2850	2.5"	2492	32.5	S
20" High Capacity Ventilator 27.5"H x 27.5"L x 25.5"W											
VAF8000A	20.5"	220	1	60/50Hz	5	21.2	3250/2700	6.1"	7400	119	S
VAF8000A-3*	20.5"	220	3	60/50Hz	5	13/11	3495/2950	6.1"	9968	119	S
VAF8000B-3	20.5"	440	3	60/50Hz	5	6.5/5.5	3495/2950	6.1"	9968	119	S

Model	Diameter	Air Consumption (cfm)	Max Inlet Pressure (psi)	Noise Level (dB)	HP	RPM	Free Air CFM	Weight	Tested
12" Intrinsically Safe Pneumatic Ventilator 21"H x 17"L x 14"W									
VAF3000P*>	12"	38	100	86 dB	1.5	3000	2063	28	S

* UL & CUL listed
^ CE listed
> UL and C-UL listed for use in Class I, Division I, Groups A, B, C and D hazardous locations

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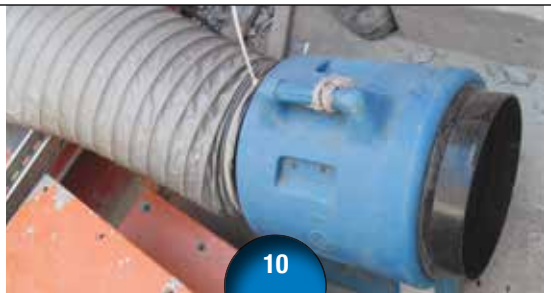
Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com



Confined Space Ventilator Accessories

Premium Ducting (Made in USA)

Extremely rugged and durable flame resistant ducting for demanding conditions and long life. Single ply PVC vinyl coated polyester fabric with 10 gage spring steel wire helix and external PVC wearstrip. UL 94V-0 flame retardant (self extinguishing); meets NFPA 701 standards.

Neoprene fastening cuffs at both ends with patent-pending ratchet strap for 50% higher attachment strength. Available in 8" (15', 25'), 12" (3', 15', 25') and 20" (3', 25') sizes. Integrated carrying bags available with 8"x 25' and 12"x 25' ducts. Static conductive duct available in 12"x 25" size.

Standard Ducting (Imported)

Lower cost, industry standard quality ducting for everyday use. Single ply PVC vinyl coated polyester fabric with 15-gage spring steel wire helix and external PVC wearstrip. PVC coated polyester fastening cuffs at both ends with industry standard spring buckle cinches. Flame resistant. Available in 8" (15', 25'), 12" (15', 25') and 20" (25') sizes. Integrated carrying bags available with 8"x 25', 12"x 25' and 20"x 25' ducts.

Polyethylene Duct Carriers

Ergonomically designed to hold up to 25' of standard or premium ducting. Keeps ducting contained, clean and dry, for ease of transport and longer life. Available for 8" and 12" ducting only.

Galvanized Steel Duct Storage Racks

Stores up to two 15' lengths of duct or one 25' length of duct. Holds compressed duct securely, while allowing for easy removal and transport. Available for 8" and 12" ducting only.

Other Accessories

- Duct Couplers (to join 2 lengths of duct together). Available for all duct diameters.
- Duct Reducer (to join a 12" duct to an 8" duct)
- Low cost Disposable Ducting

Hazardous Location Circulation and Exhaust Fans (Coming Soon)

In early 2015, Schaefer will be introducing a line of hazardous location (HL) circulation and exhaust fans for use in environments that contain flammable and potentially explosive gases, vapors or dusts. All HL fans will have explosion proof motors, rated for Class I, Groups C and D, and Class II Groups E, F and G aluminum (spark-free) blades and conductive housings. All fans will need to be hard-wired. Schaefer HL fans will be suitable for a greater range of hazardous locations and will have larger motors and greater airflow than competitors' fans.

The following fans will be released as they come ready:

Made in USA Since 1921 — 2 YEAR WARRANTY

Non-HL Model Number	HL Model Number (Proposed)	Description
24CFO	240CFO-HL	24" diameter HL circulation fan with a 1/3 Hp motor
30CFO	30CFO-HL	30" diameter HL circulation fan with a 1/3 or 1/2 Hp motor
24PF	24PF-HL	24" diameter HL pedestal fan with a 1/3 Hp motor
30PF	30PF-HL	30" diameter HL pedestal fan with a 1/3 or 1/2 Hp motor
PFM1600-1	PFM163A13-HL	16" diameter HL polyethylene exhaust fan with a 1/3 Hp motor
PFM2000-1	PFM203A13-HL	20" diameter HL polyethylene exhaust fan with a 1/3 Hp motor
PFM2405-1A	PFM243A12-HL	24" diameter HL polyethylene exhaust fan with a 1/2 Hp 1-phase motor
PFM2405-3A	PFM243A12-3-HL	24" diameter HL polyethylene exhaust fan with a 1/2 Hp 3-phase motor
FFM365G12	FFM365A12-HL	36" diameter HL fiberglass belt drive exhaust fan with a 1/2 Hp, 1-phase motor
FFM365G12-3	FFM365A12-3-HL	36" diameter HL fiberglass belt drive exhaust fan with a 1/2 Hp, 3-phase motor
FFM365G34	FFM365A34-HL	36" diameter HL fiberglass belt drive exhaust fan with a 3/4 Hp, 1-phase motor
FFM365G34-3	FFM365A34-3-HL	36" diameter HL fiberglass belt drive exhaust fan with a 3/4 Hp, 3-phase motor

Portable Evaporative Coolers

WC-1HPMFAOSC

WC-1/3HPA

WCG-1HPMFA
Shown with optional pneumatic wheels and aluminum inlet grates.

WC-1HPMFA360

Portable Evaporative Cooler

WayCool® portable evaporative coolers use the natural cooling process of evaporating water to reduce temperatures up to 30°F at a fraction of the cost of air conditioning. WayCool blows cooled air in a focused narrow stream at high velocities over long distances to provide a greater cooling for employees, customers, guests, equipment and livestock both indoors and outdoors!

Features and Benefits

- Oscillating outlet for greater coverage up to 4,700 square feet
- Approximately 75% lower energy consumption and 50% less expensive than the equivalent capacity portable air conditioner
- Automatic low water levels shut-off to prevent pump damage
- Built-in water reservoir for standalone use or connect to a garden hose for continuous use
- Specially treated cellulose evaporative pads for long pad life
- 1 hp dimensions: Base 33" x 33" x 52" tall; 24 gallon reservoir
- 1/3 hp dimensions: Base 25" x 25" x 42" tall; 14 gallon reservoir
- 220V models available

Options and Accessories

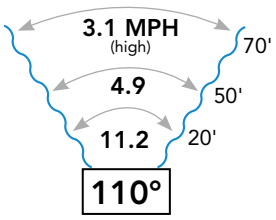
Airstream Diffuser

- Airstream Diffuser attaches to outlet nozzle to direct air where needed most for enhanced utility
- Rugged, all terrain pneumatic wheels
- Replacement evaporative cooling pads
- Water conditioner and cleaner products for extended pad life and functionality
- Inlet air filters for 1 hp models provide easy and effective filtration
- Rugged aluminum inlet grates for increased strength and durability
- 50 gallon water reservoir for 3 times longer use without a garden hose
- Humidity controller to manage humidity levels with the turn of a a dial

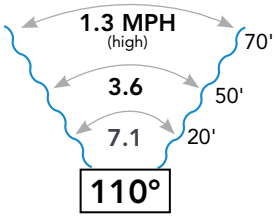
See page 13 for all additional accessories and replacement pads

Approximate Air Velocity

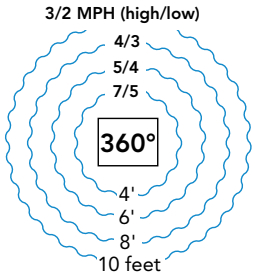
WC-1HP



WC-1/3HP



WC-1HPMFA360



White Model	Gray Model	Output	Speeds	HP	Volts	Minimum Circuit Size (amps)	CFM Hi-Lo	Velocity Outlet (mph)	Cooling** (tons)	Cooling*** (degrees F)
WC-1/3HPA	N/A	Fixed direction	2	1/3	115	10	1560/1320	21/18	1.5	14°
WC-1/3HPAOSC	N/A	Oscillating	2	1/3	115	10	1560/1320	21/18	1.5	14°
WC-1HPMFA	**WCG-1HPMFA**	Fixed direction	2	1	115	15	3020/2040	27/19	4.0	20°
Best Seller! **WC-1HPMFAOSC**	**WCG-1HPMFAOSC**	Oscillating	2	1	115	15	3020/2040	27/19	4.0	20°
WC-1HPMFA360	N/A	360 degree	2	1	115	15	2460/1660	26/18	4.0	20°

** Cooling in tons on Hi at 90°F and 40% relative humidity
*** Temperature drop (inlet temp-outlet temp) at 90°F and 20% relative humidity

MADE IN USA Since 1975 — 2 YEAR WARRANTY

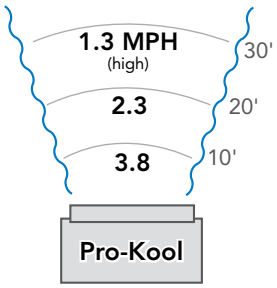
PROK142-2HV

Portable Evaporative Cooler

Pro-Kool® blows large volumes of cooled air in a broad stream to cool large areas. Pro-Kool uses the natural cooling process of evaporating water to reduce temperatures up to 30°F and can be used both indoors and outdoors. The portable, rugged design makes it the perfect solution for cooling work areas in any industrial facility when standard air conditioning is ineffective or too costly.

Features and Benefits

- Industry leader for airflow, with 11,200 cfm on high
- Cooling capacity of over 13 tons** to cool up to 3,250 square feet
- Approximately 90% lower energy consumption and 75% less expensive to operate than the equivalent capacity portable air conditioner
- Automatic low water levels shut-off to prevent pump damage
- Built-in 38 gallon water reservoir for standalone use or connect to a garden hose for continuous use
- Specially treated, dual water drip over, thick cellulose evaporative pads for increased performance and extended pad life
- Ergonomic design with integrated cart and large handle for easy movement
- Fits on lift gates for ease of transport
- Humidity controller to run the unit based on humidity levels (optional)
- Dimensions: Base 54" x 34.5" x 74" tall
- 220V models available



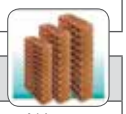
2 YEAR WARRANTY

Model	HP	Volts	Minimum Circuit Size (amps)	CFM Hi-Lo	Velocity at Outlet (mph)	Cooling** (tons)	Cooling*** (degrees F)
Best Seller! PROK142-2HV	1	115	15	11,200/7400	13/8	13.5	15

** Cooling in tons on Hi at 90°F and 40% relative humidity *** Temperature drop (inlet temp-outlet temp) at 90°F and 20% relative humidity

Portable Evaporative Cooler Accessories, Conditioner and Cleaner

WayCool and Pro-Kool Accessories	
RESERVOIR-50	Versa-Filler water supply reservoir with 50 gallon tank
THC-1	Humidity controller
WC-CTAB	Evaporative cooler water conditioner treatment tabs / Blister pack of 10
WC-CLNR	Evaporative cooler cleaner / Case of 12 pint bottles



WayCool Replacement Pads, Filters and Grates	
WC-1/3FPAD	WC-1/3HP full evaporative pad (4 Full pads required for 1/3 hp unit)*
WC-1/3HPAD	WC-1/3HP half evaporative pad (4 Half pads required for 1/3 hp unit)*
WC-GRATESM-A	1/3 Hp WayCool aluminum grate inlet for WC-1/3HP*
WC-GRATESM	1/3 Hp WayCool plastic grate inlet for WC-1/3HP*
WC-1HPPAD	WC-1HP full evaporative pad (8 full pads required for 1 hp unit)*
WC-1HPFIL	WayCool inlet air filter, single filter - 22.63" x 23.63" x 0.3"*
WC-GRATESLG-A	1 Hp WayCool aluminum grate inlet for WC-1HP*
WC-GRATESLG	1 Hp WayCool plastic grate inlet for WC-1HP*
WC-DIFFUSER-H	1 Hp WayCool airstream diffuser - Horizontal spread
WC-DIFFUSER-V	1 Hp WayCool airstream dffuser - Vertical spread

Pro-Kool Replacement Pads • 28" Pro-Kool pads available	
42PKPAD (old style)	42" Pro-Kool evaporative pad, 48" tall pad - 4 required per unit*
42PKPAD-R	42" Pro-Kool evaporative pad, 54" tall pad - 4 required per unit*

* Available individually or in complete sets for greater cost savings

RESERVOIR-50 Versa-Filler™
Triple your Pro-Kool and WayCool cooling time with the rugged one-piece polyethylene Versa-Filler tank mounted on a heavy-duty metal frame with 5" hard rubber casters for mobility and a 8" lid opening for easy filling and cleaning.

THC-1 Humidity Controller
Save on energy costs and avoid saturating the air! Easily attaches to the wall or directly to the WayCool or Pro-Kool to manage humidity levels with the turn of a dial.

WC-CTAB: Water Conditioner
A time release formula that controls unpleasant odors from algae and bacteria. Neutralizes odor in cooler water to freshen cooler air. Just use one tablet when odor is present or to maintain a clean tank.

WC-CLNR: Pad Cleaner
Provides a one-step treatment to inhibit buildup of scale, rust and offensive odor. Conditions cooler pads to reduce air temperature. Use when buildup or odor is noticeable.

VF36

VF36W

VersaFog® by SCHAEFER — 24", 30" & 36" High Pressure Misting Fan Systems

The VersaFog® family of powerful, self-contained, high pressure mist cooling systems uses the natural phenomenon of evaporative cooling, to economically reduce air temperature by 30°F up to 65 feet from the unit. This high pressure system atomizes water droplets, to increase the speed of evaporation and minimize wetness compared to lower pressure mist systems. Additional satellite fans can be connected to base unit with quick connect lines for additional cooling.

Base unit includes misting fan and ¾ hp, 1,000 PSI, Industrial CAT pump with automatic low-pressure shut-off. Additional satellite fans can be connected to the base unit with quick connect line, 1 additional for 36" fans and two additional 24" or 30" fans.

Features and Benefits

- OSHA compliant guard spacing on 24" and 30" models
- UL507 rated for outdoor use for 24" and 30" models
- Rugged polyethylene housing included for 36" model and optional for 24" and 30" models (VF24-SHROUDKIT and VF30-SHROUDKIT)
- 25 foot cord with integrated 20 amp GFCI plug with 15 amp circuit adapter plug
- Garden hose with at least 15 psi water pressure required
- Some assembly required

MADE IN USA Since 1951 — 2 YEAR WARRANTY

*24" and 30" fan heads are imported.

Shroud Kit

VF24-SAT

VF30

White Fan Head Model	Black Fan Head Model	Diameter	Fan HP	Fan Volts	Total Amps	Speeds	CFM Hi/Med/Lo	Cooling (tons)	Cooling Area (square feet)	Weight
VersaFog Portable Misting Fan System and Satellite Fans										
VF24	**VF24-B**	24"	1/4	115	11.5	3	6280/4900/4030	7	1400	155
VF30	**VF30-B**	30"	1/4	115	11.5	3	6420/5620/4890	9	1800	164
Best Seller! **VF36**	**VF36-B**	36"	1/2	115/230	16.4	1	11,000	10	3000	315
VF24-SAT	**VF24-SAT-B**	24"	1/4	115	2.7	3	6980/4900/4030	7	1400	82
VF30-SAT	**VF30-SAT-B**	30"	1/4	115	2.7	3	6420/5620/4890	9	1800	91
VF36-SAT	**VF36-SAT-B**	36"	1/2	115/230	7.6	1	11,000	10	3000	180
VersaFog Wall Mounted Misting Fan System and Satellite Fans										
VF36W	**VF36W-B**	36"	1/2	115/230	16.4	1	11,000	10	3000	230
VF36W-SAT	**VF36W-SAT-B**	36"	1/2	115/230	7.6	1	11,000	10	3000	130

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

Portable Low Pressure Misting Fan

Fill it up, plug it in, turn it on and chill!™

The VersaMist® reduces air temperature by as much as 30°F. Low pressure mist technology combines fine mist and high speed air movement for highly effective "person" cooling indoors and outdoors. The 18", 3-speed fan provides up to seven hours of uninterrupted use and is ergonomically designed for portability. The VersaMist is ideal for cooling work areas, rehabilitation stations, outdoor events, emergency workers, patios, and sidelines.

PVM18C

Features and Benefits

- Available with or without wheels
- Wheeled version has integrated handle and wheels for easy movement
- 10 or 14 gallon built-in water reservoir for portability
- Adjustable fan head for targeted cooling
- Rapid mist evaporation produces 16,000 Btu/hour (1.4 tons) of cooling
- Pump and fan assembly separates from the reservoir for quick and effortless setup, cleaning and storage
- Integral tip switch to turn power off if unit is knocked over
- 25 foot outdoor rate power cord with integrated GFCI plug for standard wall outlet
- UL507 rated for outdoor use
- Imported fan heads

2 YEAR WARRANTY

PVM18-B

White Fan Head Model	Black Fan Head Model	Description	Volts	Total Amps	Total Watts	Tank Capacity (gallon)	Time between fills	Weight (empty)
PVM18	PVM18-B	VersaMist misting fan	115	2.2	250	10	5 hours	35
Best Seller! PVM18C	PVM18C-B	VersaMist with integrated wheels and pull handle	115	2.2	250	14	7 hours	43

Mist Rings and Nozzles

Turn any fan into an evaporative cooling fan by adding misting attachments and make air movement a super cool breeze! Easy to install. Simple to use.

High Pressure Mist Rings

Model	Description
HP-15.75MR8BL	15.75" OD, requires 8 nozzles, 12/24 thread
HP-22MR10BL	22" OD, requires 10 nozzles, 12/24 thread
HP-25MR12BL	25" OD, requires 12 nozzles, 12/24 thread

Low Pressure Mist Kits NEW!

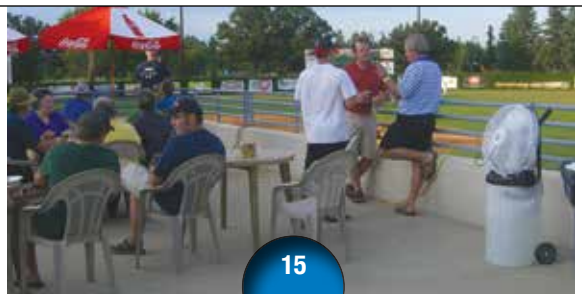
Model Number					Cooling Capacity		
With Shut-Off Valve	Without Shut-Off Valve	Fits Fan Diameter	Nozzles	gph	Btu/hr	kW	tons
MKLP12SO-3B	MKLP12-3B	12"	3	1.7	13,440	3.9	1.1
MKLP20SO-4B	MKLP20-4B	20"	4	2.2	17,920	5.3	1.5
MKLP24SO-4B	MKLP24-4B	24"	4	2.2	17,920	5.3	1.5
MKLP30SO-5B	MKLP30-5B	30"	5	2.8	22,400	6.6	1.9
MKLP36SO-6B	MKLP36-6B	36"	6	3.4	26,880	7.9	2.2
MKLP42SO-7B	MKLP42-7B	42"	7	3.9	31,360	9.2	2.6

Misting Nozzles with brass and stainless steel insert

Model	Description
BN8	HP misting nozzle, .008" orifice, 10/24 thread
BN8-1224	HP misting nozzle, .008" orifice, 12/24 thread
BN12	LP misting nozzle, .012" orifice, 10/24 thread
BN16	LP misting nozzle, .016" orifice, 10/24 thread
BN20	LP misting nozzle, .020" orifice, 10/24 thread
BNP-1224	Misting plug, brass, 12/24 thread

Packages of nozzles available at a discount:

- BN8-1024-6PAK (6: BN8 nozzles) • BN8-1224-6PAK (6: BN8-1224 nozzles)
- BN12-1024-4PAK (4: BN12 nozzles)



Air Cooled Portable Air Conditioners

Designed for portability and convenience, Schaefer portable air conditioners roll easily from the shop floor to indoor office areas and set up in minutes. They operate at office-acceptable sound levels and come standard with mechanical temperature controls. Larger sizes are available by special order.

Features and Benefits

- **Cools Quietly.** Operates at the lowest decibel level for portable air conditioners. Ideal for supplemental or temporary cooling in equipment rooms, plant floors or field offices. Featuring backward-inclined plenum evaporator and condenser fans.
- **Cools Effectively.** Delivers full performance at a wide range of ambient temperature and humidity levels. A thermostatic-expansion valve (not found in other portable air conditioners) automatically adjusts to the environment, allowing the units to operate under more extreme conditions at lower cost and with less freeze-up.
- **Cools Efficiently.** Schaefer's portable air conditioners cost less to operate because they draw the least amount of power on a per-ton of cooling basis compared to other portable air conditioners.

MADE IN USA Since 1921 — 2 YEAR WARRANTY

Model	PAC-TZ12B	PAC-TZ18B (Best Seller!)	PAC-TZ24B
Cooling Capacity[1]	**13,500 Btu/hr** (1.1 tons)	**17,300 Btu/hr** (1.4 tons)	**28,500 Btu/hr** (2.3 tons)
Power Supply[2]: Volts / Phase / Hertz / Amps	115 / 1 / 60 / 15	115 / 1 / 60 / 15	208-230 / 1 / 60 / 20
Current Consumption (amps)	11.9	12.0	13.2
Total Power Consumption (kW)	1.4	4.4	3.0
NEMA Plug Type	5-15P	5-15P	6-20P
Evaporator CFM, Free Discharge	350	500	750
Condenser CFM	500	1,000	1,000
Maximum Duct Length (feet)	40	40	40
Operating Limits (min-max) °F	65-105	65-110	65-105
Sound Level (dBA)	57	61	63
Dimensions: L x W x H (inches)	28 x 19 x 38	28 x 22 x 46	29 x 28 x 41
Net Weight / Shipping Weight (pounds)	163 / 205	221 / 279	251 / 305

1. Rating conditions: 95°F at 60% relative humidity. 2. Electrical ratings based on UL484. All specifications are subject to change without notice.

Ducting and other accessories available. Please visit www.schaeferventilation.com or call 1.800.779.3267

YOUR SPECIAL fan

"Your Special Fan" from *SCHAEFER*

Through a partnership with a large, global fan supplier, Schaefer can design and source fan solutions of essentially any size for essentially any industrial or commercial application.

- **Product Line.** Our extensive product line includes centrifugal fans, plenum fans, radial bladed fans, supply fans, downblast and upblast centrifugal and axial roof and wall exhausters, filtered supply fans, cabinet ventilators, tubeaxial fans, vaneaxial fans, fumehood exhaust fans, smoke and heat exhaust fans, spark resistant fans, mixed flow and material handling fans, and others. Available fan construction materials include steel, aluminum and Endurex. Special coatings for long life in in extremely harsh environments are available. Most fans are available in explosion resistant versions.
- **Applications.** Commercial fan applications include ventilation fans for retail and office buildings, restaurants, schools, hospitals, and government buildings. Industrial fan applications include air and material handling, air cleaning, ventilation, cooling, heating, combustion air supply, filtration and drying systems, fume hoods, spray-paint booths and exhaust systems.
- **Lead Times.** Lead times on "Your Special Fan" range from 4 weeks for a limited range of "QuickShip" fans to 12 weeks or more for design-and-build fans.
- **Questions.** Please call Schaefer Customer Care at 1.800.779.3267

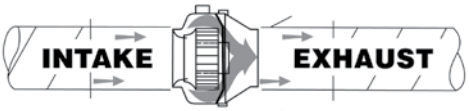
In-Line Duct Fans

R-250

Schaefer's in-line duct fans are ideal for moving heated or chilled air from one building or room to another via ABS piping and can be mounted at any angle. The UV resistant ABS-PC blend thermo-plastic housing is suitable for airstream temperatures up to 140°F.

Features and Benefits

- Aluminum alloy blade
- External wiring box for easy connection
- Waterproof gasket on wiring box
- Variable speed
- Available in 6", 8" and 10" diameters



2 YEAR WARRANTY

Model	Description	Volts	CFM@0.0" SP
R-150	6" In-line duct fan	115	260
CR-150	Clamps (Set of 2) for R-150	-	-
R-200	8" In-line duct fan	115	410
CR-200	Clamps (Set of 2) for R-200	-	-
R-250	10" In-line duct fan	115	650
CR-250	Clamps (Set of 2) for R-250	-	-

B60-E

B148-E

Inflation Blowers

Shaded pole inflation blowers have forward curved wheels and energy efficient, open drip proof motors. These blowers are frequently used for inflating greenhouse polyethylene.

Features

- Available with black or white enamel finish
- Choice of standard or economy blower

Standard 1 YEAR WARRANTY

Economy 180 DAY WARRANTY

Model	Description	Imported	Color	Volts	CFM@0.0" SP
B60	Standard shaded pole blower	No	Black	115	60
B60-E	Economy shaded pole blower	Yes	White	115	60
B148	Standard shaded pole blower	No	Black	115	148
B148-E	Economy shaded pole blower	Yes	White	115	148
B465 Limited Quantity	Standard shaded pole blower	No	Black	115	465

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

FlipFan® Dairy Cooling System

FlipFan® from Schaefer is the state-of-the-art in cow cooling. Unlike fixed fan cooling systems, FlipFan adjusts for sun angle, wind speed, temperature and humidity to **keep the cooling on your cows** and provide maximum cow cooling all day and night.

The patented Schaefer FlipFan dairy cooling system consists of advanced 36" high velocity misting fans mounted on a horizontal rotational mounting structure and an advanced control system which adjusts mist output and fan direction to compensate for time of day, wind speed and wind direction, and to "flip" 180 degrees to point outside of the shade for nighttime cow cooling. FlipFans install quickly and easily in the eaves of simple, flat shades that are a minimum of 14' high.

In side-by-side tests against other leading arid climate dairy cooling systems, FlipFan provides equal or greater cow cooling, using less electricity and less water.

Features and Benefits

- 36" diameter high velocity misting fans, with rugged polyethylene housings, 3-wing stainless steel blades, stainless steel air straighteners and choice of ½ hp or ¾ hp harsh duty motors
- 2 to 4 fans per bay, provide an average air velocity of 7 mph across the shade and up to 2 gallon/minute of evaporative cooling per bay
- 2-line, 3-stage, 300 psi stainless steel misting system
- Control System and Pump Station manages up to 84 fans and optional shade curtains, with variable mist (variable cooling) over a broad temperature range
- Environmental inputs include ambient temperature, relative humidity, wind speed and sun angle
- Control System ranges from simple manual controls to tablet or smartphone driven PLCs

SUPERCOOLER™ SCHAEFER

SuperCooler™ is Schaefer's large, stationary, through-the-roof evaporative cooling fan that has proven to be very effective in maintaining cow comfort and high milk production levels during even the hottest days in extremely hot and arid climates, such as the US Southwest and the Middle East.

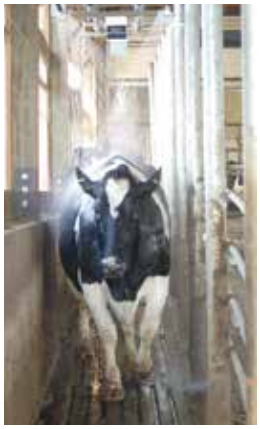
SuperCoolers are typically deployed in dairies with high roofs and which are protected from the prevailing wind and sun with shade curtains. Rows of SuperCoolers are installed down both sides of a peaked roof dairy facility, typically at 20' spacing. A single SuperCooler cools an area of up to 1,000 square feet, or enough area for 12 to 15 cows, depending on cow density.

Features and Benefits

- 54" diameter G90 galvanized housings (stainless steel housings optional)
- Large radius fiberglass inlet and outlet flanges for maximum airflow with UV protective gel-coat finish for long life
- Choice of gear drive or belt drive configuration
- 5 hp, 3-phase motor; TEFC/Class F (GD) or TEAO/Class F (BD)
- 54" diameter, high efficiency, 5-wing cast aluminum blade
- Approximately 25,000 total cfm
- 5-ring, 15-stage, 300 psi stainless steel misting system
- Control System and Pump Station manages up to 33 SuperCoolers and the integrated shade curtains, with variable mist (variable cooling) over a temperature range from 80°F to 110°F for maximum cooling without ground wetting
- Environmental inputs include ambient temperature, relative humidity, wind speed and rain
- Control System utilizes a Wi-Fi network for communication between the PLC, the main office computer, and an optional SCADA-based smartphone app to allow control and maintenance of the system from remote and local locations

2 YEAR WARRANTY

Please call Customer Care at 1.800.779.3267 to learn how these systems can improve your dairy's bottom line!



Dairy Soaking System

Air movement cools cows that are soaked to the hide more effectively than cows that are dry. Schaefer's Dairy Soaking System soaks cows to the hide and, in conjunction with Schaefer circulation fans, lowers cow temperatures and increases milk production and reproductive rates.

The Soaking System showers the animals for a short period of time while at the feed line, in the holding pen or returning from milking. After the shower shuts off, Schaefer circulation fans blow across the cows' backs to increase evaporative cooling.

Systems can be designed for any dairy layout using standard components including controllers/timers, PVC piping, valves and filters, shower nozzles and check valves.

Controllers, Timers and Sensors

Model	Description
SS-C110S-110V	Smart Mode control, single zone, 110V
SS-C110S-220V	Smart Mode control, single zone, 220V
SS-C440S-110V	Smart Mode control, 4 zone, 110V
SS-C440S-220V	Smart Mode control, 4 zone, 220V
SS-T80-110V	Timer/cutout switch 0-80 min., 110V
SS-T80-220V	Timer/cutout switch 0-80 min., 220V
SS-CSDK-110V	Cool Sense single direction kit,110V
SS-CSDK-220V	Cool Sense single direction kit, 220V

Features and Benefits

- Extremely cost effective cow-cooling solution
- High capacity, low pressure, large droplet soaker nozzles for effective, quick soaking
- 110V or 220V controllers; controlling 1 to 4 zones
- Time activated or motion activated sprinklers

Schaefer Wet Wall Evaporative Cooling System

Schaefer's Wet Wall Evaporative Cooling Systems, uses the natural cooling process of water evaporation in conjunction with Schaefer exhaust fans to provide up to 30°F of cooling for large volume buildings. Ideal for cooling animal confinement facilities, greenhouses, warehouses, factories and other large facilities.

The snap together "no-leak" PVC system, including supply line, spray line and reservoir, is easy to install, operate and maintain. Water that does not evaporate is re-cycled through the pads, so no water is wasted. Comes with single- or multi-stage automatic controls and center-feed and end-feed water supply.

Features and Benefits

- Standard wet wall lengths: 10' to 60' in 5' or 10' increments
- Standard wet wall heights: Single Stacked Systems 4', 5' and 6' and Double Stacked Systems 8'-12' in 1' increments
- Custom lengths and heights available by special order
- Uncoated/1-side coated and 2-side coated pads available in 4" and 6" pad thicknesses lasting up to 5-years with proper pad maintenance
- Choice of or ¾ hp Gould™ pumps; 110V or 220V
- Single- or multi-stage automatic controls available

MADE IN U.S.A. Since 1955 — 2 YEAR WARRANTY

Wet Wall Pads / Evaporative Media

Wet wall pads are for use in Schaefer Wet Wall Cooling Systems and wet wall systems from other manufacturers. The fluted cellulose pads are designed for maximum airflow, maximum evaporation, structural strength and long life. Available with edge coating to increase strength, permits contact and non-contact pad cleaning, slows algae growth, and improves aesthetics. Thin pads offer maximum airflow while thick pads provide greater evaporation and cooling.

Wet Wall Pad Options

- Thickness: 4" and 6"
- Width: 12" and 24"
- Length: 4', 5' and 6'
- Uncoated, 1-side coated and 2-side coated

1 YEAR WARRANTY

Wet Wall Pad Part Numbers

K ___ - ___ - ___ ___ - ___ ___

- Length = **24"**, **36"**, **48"**, **60"** or **72"**
- Width = **12"** or **24"**
- Thickness = **4"** or **6"**
- **U**= Uncoated; **C**= 1-sided; **BS**= 2-sided coated

Part Number Example:

Model: KU-4-12-24

Uncoated, 4" thick by 12" wide by 24" long wet wall pad

For assistance with these cooling systems call Schaefer Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

Outside surface mounted

54" Galvanized Exhaust Fans with Cones

Schaefer now offers 3 versions of its economical, reliable and high performance 54" galvanized cone fan.

- **Surface Mount**: Mounts on the outside of chicken barns and other agricultural facilities. Very high performance at lowest possible cost. Ideal for new and retrofit applications.
- **Box Fan**: Mounts through the wall of chicken barns and other agricultural facilities. The fan's box housing protects the structure of the facility.
- **Slant Wall Fan:** Also mounts through the wall of chicken barns and other agricultural facilities. The fan's box housing protects the structure of the facility. Its slanted top sheds snow and water to keep the facility dry.

Poultry

MADE IN USA Since 1972 | 2 YEAR WARRANTY | 1 YEAR WARRANTY

Features and Benefits (for all fans)

- G90 galvanized construction, for corrosion resistance and long life
- Galvanized cone for increased airflow, improved efficiency and weather protection
- Butterfly shutters for maximum performance and easy cleaning
- Weather tight shutter seals for reduced air and light leakage when not operating
- High efficiency, UL recognized motors for superior performance and efficiency
- 3-wing or 5-wing stamped galvanized blades for high performance and long life
- Robust automatic belt tensioner to ensure constant belt tension and long belt life
- Galvanized safety screen mounts on inside of building
- A variety of shipping options, ranging from fully assembled (cone must be added in field) to partially assembled or unassembled for maximum packing density and lowest shipping cost

Dimensions

Model	Rough-In Dimensions	Cone Major Diameter	Fan Depth
Surface Mount Fan	Maximum 57" high x 57" wide Mininum 57" high x 54.5" wide	64.25"	38.9"
Box Fan	62" high x 61" wide	64.25"	57.5"
Slant Wall	62" high x 61" wide	64.25"	63.1"

Surface Mount Exhaust Fan with Cone NEW!

Model	HP	Wings	Amps	Volts	RPM@ 0.05" SP	CFM@ 0.05" SP	CFM/watt @0.05" SP	CFM@ 0.10" SP	CFM/watt @0.10" SP	Airflow Ratio	Tested
543SMCB112G-HE	1.5	3	6.8-6.4	208-230	554	26,800	25.5	24,600	22.4	0.72	**BL**
543SMCB112G-HV	1.5	3	6.8-6.4	208-230	630	30,800	21.1	29,200	18.9	0.81	**BL**
543SMCB112G-HY	1.5	3	6.8-6.4	208-230	597	29,300	23.2	27,300	20.5	0.77	**BL**

Box Exhaust Fan with Cone*

Model	HP	Wings	Amps	Volts	RPM@ 0.05" SP	CFM@ 0.05" SP	CFM/watt @0.05" SP	CFM@ 0.10" SP	CFM/watt @0.10" SP	Airflow Ratio	Tested
543BC112G	1.5	3	6.8-6.4	208-230	613	27,900	18.0	26,100	16.4	0.81	**BL**
545BC2G	2	5	9.5	230	539	32,800	16.1	31,400	14.8	0.85	***S***

Slant Wall Exhaust Fan with Cone*

Model	HP	Wings	Amps	Volts	RPM@ 0.05" SP	CFM@ 0.05" SP	CFM/watt @0.05" SP	CFM@ 0.10" SP	CFM/watt @0.10" SP	Airflow Ratio	Tested
543SC112G	1.5	3	6.8-6.4	208-230	610	28,500	18.3	26,800	16.7	0.80	**BL**
545SC2G	2	5	9.5	230	536	33,400	16.4	32,100	15.1	0.86	**BL**

* Other motor and blade combinations available

57" Fiberglass Exhaust Fans with Cones

57" Fiberglass Exhaust Cone Fans

Best Seller!

Schaefer's fiberglass exhaust fans are designed to exhaust more air at higher static pressures to meet the air exchange needs of your barn. The robust, fiberglass housing is UV protected and comes equipped with an easy-to-install, one-piece polyethylene cone, making the fan corrosion resistant. Made in the USA with high quality parts, the 57" exhaust fan delivers reliability and high performance over years of hard use.

EXHAUST FANS WORK BEST WITH SCHAEFER WET WALL SYSTEMS SEE PAGE 19

Features and Benefits

- High Volume configurations deliver up to 35,000 cfm
- High Efficiency configurations deliver up to 21 cfm/watt at 0.10" static pressure
- Rugged fiberglass housing with one-piece polyethylene cone
- VFD compatibility on all 3-phase motors for increased energy efficiency and ventilation flexibility
- Heavy-duty, corrosion resistant aluminum shutters and steel wire guard protected by powder coat over zinc plating
- Belt drive system with an automatic self-adjusting belt tensioner
- Remote lubrication kits available for convenient bearing greasing
- Non-conductive kits available for additional fan protection and safety
- Fits side-by-side in dairies with standard 12, 18 and 24 foot post spacing
- Ships fully assembled with cone to be added in the field

Dimensions

Rough-in dimensions: 62.5" x 62.5"
Cone major diameter: 67"
Fan depth: 64" from mounting flange to outside end of cone

15 YEAR HOUSING
2 YEAR WARRANTY

57" Fiberglass Exhaust Fan Options

Blade Style:	3-wing or 5-wing
Blade Material:	Galvanized steel or cast aluminum
Motor Horsepower:	1-1/2 or 2 hp
Motor Phase:	1-phase or 3-phase

Galvanized blade fan models.

Model	HP	Wings	Amps	Hz	RPM@ 0.05" SP	CFM@ 0.05" SP	CFM/ watt@ 0.05" SP	CFM@ 0.10" SP	CFM/ watt@ 0.10" SP	CFM@ 0.15" SP	CFM/ watt@ 0.15" SP	Airflow Ratio	Tested
High Volume, 3-Phase													
573CF112G-3V-HV*	1.5	3	4.6-4.8/2.4	60	558	31,500	20.8	29,600	18.9	27,400	17.1	0.79	**BL**
575CF112G-3V-HV*	1.5	5	4.6-4.8/2.4	60	459	30,500	21.3	29,000	19.7	27,100	17.9	0.81	**BL**
573CF2G-3V-HV*	2	3	6-5.8/2.9	60	589	33,600	19.3	31,700	17.7	29,700	16.2	0.82	**BL**
575CF2G-3V-HV*	2	5	6-5.8/2.9	60	494	33,000	18.9	31,400	17.5	29,900	16.2	0.85	**BL**
High Volume, Single-Phase													
573CF112G-1-HV	1.5	3	13.6/6.8	60	541	30,500	21.2	28,600	19.3	26,000	17	0.76	**BL**
575CF112G-1-HV	1.5	5	13.6/6.8	60	449	30,000	20.9	28,300	19.1	26,400	17.3	0.80	**BL**
573CF2G-1-HV	2	3	9.5	60	584	33,300	18.3	31,400	16.8	28,900	15.1	0.82	**BL**
575CF2G-1-HV	2	5	9.5	60	492	32,900	17.9	31,500	16.6	29,800	14	0.84	**BL**
High Efficiency, 3-Phase													
573CF112G-3V-HE*	1.5	3	4.6-4.8/2.4	60	531	29,700	23.1	27,600	20.8	25,000	18.3	0.75	**BL**
575CF112G-3V-HE*	1.5	5	4.6-4.8/2.4	60	435	29,000	23.4	27,100	21.1	24,800	18.8	0.78	**BL**
573CF2G-3V-HE*	2	3	6-5.8/2.9	60	536	30,300	22.8	28,100	20.4	25,700	18.2	0.76	**BL**
575CF2G-3V-HE*	2	5	6-5.8/2.9	60	454	30,100	22	28,600	20.3	26,700	18.4	0.81	**BL**
High Efficiency, Single-Phase													
573CF112G-1-HE	1.5	3	13.6/6.8	60	497	27,600	24	25,100	21.1	22,600	18.5	0.68	**BL**
575CF112G-1-HE	1.5	5	13.6/6.8	60	431	28,700	22.6	27,000	20.6	24,900	18.5	0.76	**BL**
573CF2G-1-HE	2	3	9.5	60	502	28,000	23.4	25,600	20.8	23,000	18.3	0.69	**BL**
575CF2G-1-HE	2	5	9.5	60	424	28,100	22.3	25,800	20.4	23,300	18.1	0.72	**BL**

• Other motor and blade combinations available
* 3-phase models available with VFD compatible motors

FFM483G1

Fiberglass Exhaust Fans

Schaefer's fiberglass exhaust fans are designed and built to be highly efficient (high cfm/watt), long lived and competitively priced fans for agricultural and other applications. Fiberglass exhaust fans are used worldwide to exhaust high volumes of air from factories, warehouses, garages and other locations, where building owners value low capital cost and low operating cost.

Features and Benefits

- Designed for high airflow and high efficiency
- Totally enclosed, thermally protected motors for safety and long life
- Easy belt replacement and optional Remote Lubrication System for minimal maintenance
- Self-adjusting belt tensioner for easy adjustment
- Aluminum inlet shutter and powder coated outlet guard standard
- Suitable for buildings with up to 12" wall thickness
- Ships fully assembled

Fiberglass Exhaust Fan Options

Diameters:	36", 48" and 52"
Blade Style:	3-wing or 5-wing
Blade Material:	Galvanized steel or stainless steel
Motor Horsepower:	1/2, 1 or 1-1/2 hp
Motor Phase:	1-phase or 3-phase

Hazardous Location Models Coming Soon

MADE IN USA Since 1951

15 YEAR HOUSING

2 YEAR WARRANTY

Model	Diameter	Speed	Phase	Wings	Blade	HP	Volts	Amps	CFM@0.05" SP	Rough-in (W x H)	Tested
Direct-Drive Fiberglass Exhaust Fans											
Best Seller! **FFM363GD12**	36"	1	1	3	GS	1/2	115/230	7.0/3.5	9610	37-1/2" x 38-3/4"	S
FFM363SD12	36"	1	1	3	SS	1/2	115/230	7.0/3.5	9780	37-1/2" x 38-3/4"	S
FFM363GD12-3	36"	1	3	3	GS	1/2	230/460	2.3/1.2	9610	37-1/2" x 38-3/4"	S
Belt-Drive Fiberglass Exhaust Fans											
FFM363G12	36"	1	1	3	GS	1/2	115/230	4.6/2.3	9320	43-1/2" x 43-3/4"	S
Best Seller! **FFM365G12**	36"	1	1	5	GS	1/2	115/230	4.6/2.3	9500	43-1/2" x 43-3/4"	S
FFM365G12-2	36"	2	1	5	GS	1/2	230	2.3/1.6	9500/6000	43-1/2" x 43-3/4"	S
FFM483G1	48"	1	1	3	GS	1	115/230	8.4/4.2	18,610	55-3/4" x 56-1/4"	S
FFM485G1	48"	1	1	5	GS	1	115/230	8.4/4.2	22,370	55-3/4" x 56-1/4"	S
FFM485G1-2	48"	1	1	5	GS	1	230	5.3/3.0	20,570/13,420	55-3/4" x 56-1/4"	S
FFM485G1-3*	48"	1	3	5	GS	1	208-230/460	3.2/1.6	22,370	55-3/4" x 56-1/4	S
FFM523G1	52"	1	1	3	GS	1	115/230	8.4/4.2	24,060	59-1/4" x 59-1/4"	S
FFM525G1	52"	1	1	5	GS	1	115/230	8.4/4.2	24,250	59-1/4" x 59-1/4"	S
FFM523G112	52"	1	1	3	GS	1-1/2	208-230	6.7-6.2	24,060	59-1/4" x 59-1/4"	S

• Other motor and blade combinations available
* 3-phase model available with VFD compatible motors

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

PFM1600-1

Polyethylene Exhaust Fans

If you need a robust and versatile solution for exhausting moderate amounts of air at a reasonable price, look no further than Schaefer's polyethylene exhaust fans.

These high quality fans are built with rugged polyethylene housings, TEAO motors and polypropylene fan blades for exceptional durability and long life.

Schaefer's polyethylene exhaust fans provide an energy efficient and cost effective solution for exhausting air and moisture from a diverse range of facilities including warehouses, garages, greenhouses and more.

Features and Benefits

- Polyethylene construction for corrosion resistant and effortless cleaning
- Energy efficient, maintenance free motor
- Direct drive
- Motor and blade combination designed for best-in-class performance
- Integrated PVC or aluminum shutters
- Designed to be flush mounted with interior walls up to 10" thick for use in a broad range of facilities

25 YEAR HOUSING | 2 YEAR WARRANTY

Additional performance data at www.schaeferventilation.com

Hazardous Location Models Coming Soon

Model	Diameter	Shutter Material	Wings	Blade Material	Phase	HP	Volts	Amps	CFM@ 0.05" SP	Rough-In (W x H)	Tested
PFM0900-1	9"	PVC	6	Polyethylene	1	1/6	115/230	1.9/1.0	1090	13-3/4" x 14-1/2"	**BL**
PFM1200-1*	12"	PVC	6	Polyethylene	1	1/3	115/230	3.8/1.9	1540	15-3/4" x 16-3/4"	**BL**
PFM1600-1*	16"	PVC	3	Polyethylene	1	1/3	115/230	3.8/1.9	3090	19-1/2" x 20-1/2"	**BL**
PFM2000-1*	20"	PVC	3	Polyethylene	1	1/3	115/230	3.8/1.9	3530	23-1/2" x 24-3/4"	**BL**
PFM20HC-1*	20"	PVC	4	Polyethylene	1	1/2	115/230	4.8/2.4	4970	23-1/2" x 24-3/4"	**BL**
PFM20HC-3	20"	PVC	4	Polyethylene	3	1/2	230/460	1.2/.6	4790	23-1/2" x 24-3/4	***S***
PFM2400-1A*	24"	Aluminum	4	Polyethylene	1	1/2	115/230	4.8/2.4	5300	29" x 29-1/2"	**BL**
PFM2400-3A	24"	Aluminum	5	Polyethylene	3	1/2	230/460	1.2/.6	4020	29" x 29-1/2"	**BL**
PFM2400-3	24"	PVC	4	Polyethylene	3	1/2	230/460	1.2/.6	3770	29" x 29-1/2"	**BL**
PFM2405-1A	24"	Aluminum	5	Galvanized	1	1/2	115/230	7.0/3.5	5350	29" x 29-1/2"	**BL**
PFM2400-1*	24"	PVC	4	Polyethylene	1	1/2	115/230	4.8/2.4	5220	29" x 29-1/2"	**BL**
PFM2405-3A	24"	Aluminum	5	Galvanized	3	1/2	230/460	2.3/1.2	5140	29" x 29-1/2"	**BL**

* Variable speed when used with optional speed controls not included with fan model.

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

Slant Wall Exhaust Fans

Schaefer's Slant Wall Exhaust Fans are the first choice of growers and other building owners looking for very low cost, high volume exhaust fans that flush-mount from inside the building and shed water and snow, once installed.

NEW FOR 2015: VFD compatible 3-phase motors for increased energy efficiency and ventilation flexibility

Features and Benefits

- Designed for high airflow and high efficiency
- Totally enclosed, thermally protected motors for safety and long life
- Easy belt replacement and optional Remote Lubrication System for easy maintenance
- Self-adjusting belt tensioner on belt-drive models for easy adjustment
- Aluminum shutter and galvanized outlet guard standard
- Suitable for buildings with up to 6" wall thickness using standard rough-in dimensions
- Aluminum slant walls fans have aluminum housings, blades and motor mounts for extremely long life
- Ships fully assembled

Slant Wall Exhaust Fan Options

Diameter:	24", 30", 36", 48" and 54"
Configuration:	Direct-drive (24" or 30"); Belt-drive (24", 30", 36", 48" and 54")
Blade Style:	3-wing or 5-wing
Housing and Blade Material:	Galvanized steel or aluminum
Motor Horsepower:	1/2 , 3/4, 1, 1-1/2 or 2 hp
Motor Phase:	1-phase or 3-phase
Motor Speed:	1-speed or 2-speed

Best Sellers

Galvanized Model	Aluminum Model	Diameter	Wings	Drive	Phase	HP	Volts	Amps	CFM@ 0.05" SP	Rough-in (W x H)	Tested
245SDD12	-	24"	5	Direct	1	1/2	115/230	7.0/3.5	6600	31-1/2" x 32"	*S*
245S12	-	24"	5	Belt	1	1/2	115/230	4.6/2.3	6100	31-1/2" x 32"	*S*
303SDD12	-	30"	3	Direct	1	1/2	115/230	7.0/3.5	7200	37-1/4" x 37-3/4"	*S*
305S12	**305AS12**	30"	5	Belt	1	1/2	115/230	4.6/2.3	7010	37-1/4" x 37-3/4"	**BL**
363S12	-	36"	3	Belt	1	1/2	115/230	4.6/2.3	9340	43-1/2" x 44"	**BL**
365S12 Best Seller!	**365AS12**	36"	5	Belt	1	1/2	115/230	4.6/2.3	9520	43-1/2" x 44"	**BL**
485S1	**485AS1**	48"	5	Belt	1	1	115/230	8.4/4.2	18,600	55-1/2" x 56"	**BL**
485S112 Best Seller!	**485AS112**	48"	5	Belt	1	1-1/2	208-230	6.8-6.4	23,100	55-1/2" x 56"	**BL**
545S112G	-	54"	5	Belt	1	1-1/2	208-230	6.8-6.4	25,700	61" x 62"	**BL**
545S112G-3	-	54"	5	Belt	3	1-1/2	208-230/460	5.0/2.5	27,400	61" x 62"	**BL**

- 54" Slant wall exhaust fans also available with cones for enhanced performance. See page 20.
- Other motor and blade combinations available

Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

Belt-Drive Galvanized Box Exhaust Fans

Maintain a safe and productive work environment by exchanging hot or contaminated air using Schaefer's low cost galvanized, box exhaust fans. These low cost, high volume exhaust fans are protected from the elements with outlet side aluminum shutters and mount in walls of almost any thickness, typically with the outlet shutter flush, or nearly flush with the outside wall.

Schaefer offers a wide variety of galvanized Box Exhaust Fans to meet your specific application needs.

Features and Benefits

- Designed for high airflow and high efficiency
- Totally enclosed, thermally protected motors for safety and long life
- Easy belt replacement and optional Remote Lubrication System for minimal maintenance
- Self-adjusting belt tensioner for easy adjustment
- Aluminum outlet shutter and galvanized inlet guard standard
- Suitable for buildings with any wall thickness
- Ships fully assembled

Belt-Drive Box Exhaust Fan Options

Diameter:	36", 42" and 48"	Motor Horsepower:	1/2 , 3/4, 1 or 1-1/2
Blade Style:	3-wing or 5-wing	Motor Phase:	1-phase or 3-phase
Blade Material:	Galvanized	Motor Speed:	1-speed or 2-speed

2 YEAR WARRANTY

Additional performance data at www.schaeferventilation.com

Best Sellers

Model	Diameter	Wings	Phase	HP	Volts	Amps	CFM@0.05" SP	Rough-in (W x H)	Tested
363B12	36"	3	1	1/2	115/230	4.6/2.3	9340	43" x 43"	S
365B12	36"	5	1	1/2	115/230	4.6/2.3	9520	43" x 43"	S
365B34	36"	5	1	3/4	115/230	7.8/3.9	10,750	43" x 43"	S
483B1	48"	3	1	1	115/230	9.8/4.9	19,300	55" x 55"	S
483B1-3*	48"	3	3	1	208-230/460	3.2/1.6	19,300	55" x 55"	S
485B1	48"	5	1	1	115/230	9.8/4.9	18,600	55" x 55"	S

- 54" Box fans with cones available. See page 20.
- Other motor and blade combinations available

* 3-phase models available with VFD compatible motors

Direct-Drive Galvanized Box Exhaust Fans

Schaefer direct-drive box exhaust fans have the same great features as the belt-drive models, but at an even lower cost. These box fans have hardware cloth on both sides of the fan, which provides superior protection to people and the internal components of the fan.

If you have a strict budget and cost matters most, but you don't want to sacrifice performance, look no further than Schaefer's direct-drive box exhaust fans.

48" Direct drive box exhaust fans available by special order.

2 YEAR WARRANTY

Model	Diameter	Wings	Phase	HP	Volts	Amps	CFM@0.05" SP	Rough-in (W x H)	Tested
363B12DD-HC	36"	3	1	1/2	115/230	7.0/3.5	9600	43" x 43"	S
363B12DD-HC-3	36"	3	3	1/2	230/460	2.3/1.2	11,400	43" x 43"	S

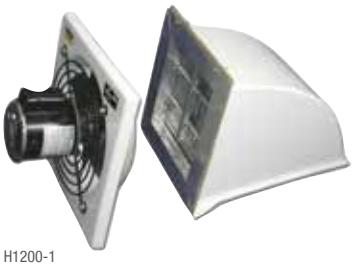
Can't find what you are looking for?

Please call Customer Care at 1.800.779.3267 or visit www.schaeferventilation.com

Fiberglass Hood-Style Exhaust Fans

Do you need to move some air, but don't need a full sized exhaust fan? Schaefer's fiberglass hood style exhaust fans are the perfect solution. These fans are designed for thin walled, modest sized facilities, including greenhouses, garages and workshops.

The fans mount on the inside the building. The shutter and weatherhood mount on the outside of the building and provide the ultimate weather protection for extended life and sustained performance.



H1200-1

Features and Benefits

- High quality, energy efficient, maintenance free motors for maximum performance and ease of use
- Polypropylene fan blades for high performance and long life
- Integrated heavy-duty aluminum shutters for increased durability
- Molded, one-piece fiberglass weatherhood for extended fan life and sustained performance (optional)
- Available in 12", 16" and 20" sizes

FH-1200

Model	Description	Phase	HP	Volts	Amps	CFM@0.05" SP	Rough-In (W x H)
H1200-1*	12" Hood-style exhaust fan with shutter	1	1/3	115 / 230	3.8 / 1.9	1600	13" x 13"
H1600-1*	16" Hood-style exhaust fan with shutter	1	1/3	115 / 230	3.8 / 1.9	2620	17-3/8" x 17-3/8"
H2000-1*	20" Hood-style exhaust fan with shutter	1	1/3	115 / 230	3.8 / 1.9	3320	21-1/4" x 21-1/4"
HC2000-1*	20" Hood-style high capacity exhaust fan with shutter	1	1/2	115 / 230	4.8 / 2.4	5730	21-1/4" x 21-1/4"
HC2000-1-3	20" Hood-style high capacity exhaust fan with shutter	3	1/2	230 / 460	1.2 / 0.6	4780	21-1/4" x 21-1/4"

* Variable speed when used with optional speed controls not included with fan model.

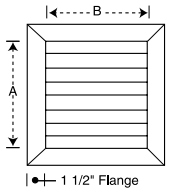
Shutter-Style Exhaust Fans

Schaefer's shutter-style exhaust fans offer an energy efficient solution to meet low to medium exhaust airflow requirements. These exhaust fans work perfectly in thin-walled buildings requiring exhaust fans with a low profile; such as greenhouses.

SFT-1200

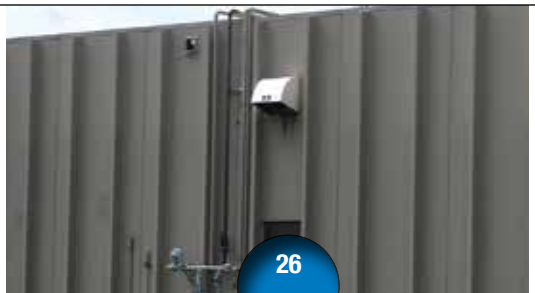
Features and Benefits

- Heavy-duty totally enclosed and maintenance free motors
- Low profile for thin-walled buildings and where space is limited
- Aluminum blade and rugged PVC shutter for durability and long life
- Mounts flush to the exterior wall
- Available in 12", 16", 20" and 24" sizes



Model	Description	HP	Volts	Amps	CFM@0.05" SP	Rough-In (W x H)
SFT-1200	12" Shutter-style variable speed* exhaust fan	1/30	115	0.9	760	12-5/8" x 12-5/8"
SFT-1600	16" Shutter-style variable speed* exhaust fan	1/10	115 / 230	1.3 / 0.65	1250	16-5/8" x 16-5/8"
SFT-2000	20" Shutter-style variable speed* exhaust fan	1/3	115 / 230	3.8 / 1.9	3120	20-5/8" x 20-5/8"
SFT-2400A	24" Aluminum shutter-style two-speed exhaust fan	1/6	120	2.04 / 1.61	3750 / 3000	24-1/2" x 24-1/2"

* Variable speed when used with optional speed controls not included with fan model.



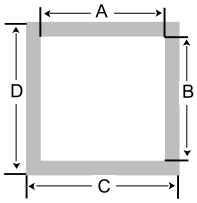
Aluminum Shutters

Schaefer's aluminum shutters allow airflow in a single direction and are used as building air inlets to feed Schaefer exhaust fans, or on exhaust fans to prevent air entry when the fan is not operating. Aluminum shutters are built tough for long life in the most demanding environments, all at an affordable price.

Aluminum Shutters shown with optional SHUTTERMOTOR-SM Motor and Hardware Kit

Features and Benefits

- Constructed of heavy-duty brushed aluminum for corrosion resistance and greater durability
- Interlocking louvers for maximum weather protection and lightweight for high efficiency and easy installation
- Tie bar to eliminate shutter flapping
- Shutter motor kits available for automated opening/closing
- Made in America and/or imported



Shutter Motors

Use shutter motors to open a shutter wider to improve airflow when in use or to keep the shutter closed when not in use. Easy to install and operate. Shutter motor kits for large and small shutters available.

SHUTTERMOTOR-SM

- 115/230V
- Enclosure suitable for wet or damp locations
- 0.5 amps at 115 volts; 0.25 amps at 230 volts

Model	Recommended	
	Shutter size with wind	Shutter size against wind
SHUTTERMOTOR-SM	All Sizes	48" and Under
SHUTTERMOTOR-LG	N/A	Over 48"
HWKIT-LGSHUTTER is available for retrofit applications on shutters over 48". Does not include shutter motor.		

• Using shutter motors on larger shutters than those specified invalidates our warranty.

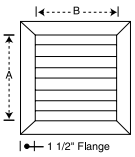
Additional shutter sizes and shapes available by special order

Please call for more information at 1.800.779.3267

Model	Size	A - Frame Width	B - Frame Height	C - Flange Width	D - Flange Height
WS-120	12"	12"	12-1/2"	15-1/4"	15-1/2"
WS-160	16"	16"	16-1/2"	19-1/4"	19-1/2"
WS-180	18"	18"	18-1/2"	21-1/4"	21-1/2"
WS-200	20"	20"	20-1/2"	23-1/4"	23-1/2"
WS-240	24"	24"	24-1/2"	27-1/4"	27-1/2"
WS-270	27"	27"	27-1/2"	30-1/4"	30-1/2"
WS-300	30"	30"	30-1/2"	33-1/4"	33-1/2"
WS-330	33"	33"	33-1/2"	36-1/4"	36-1/2"
WS-360	36"	36"	36-1/2"	39-1/4"	39-1/2"
WS-390	39"	39"	39-1/2"	42-1/4"	42-1/2"
WS-420	42"	42"	42-1/2"	45-1/4"	45-1/2"
WS-450	45"	45"	45-1/2"	48-1/4"	48-1/2"
WS-480	48"	48"	48-1/2"	51-1/4"	51-1/2"
WS-510	51"	51"	51-1/2"	54-1/4"	54-1/2"
WS-540	54"	54"	54-1/2"	57-1/4"	57-1/2"
WS-570	57"	57"	57-1/2"	60-1/4"	60-1/2"
WS-600	60"	60"	60-1/2"	63-1/4"	63-1/2"
WS-660	66"	66"	66-1/2"	69-1/4"	69-1/2"
Rough-in openings: Add 1/2" to A and B dimensions. See website for more information.					

Standard and Motorized PVC Shutters

Schaefer's white exterior grade PVC shutters are maintenance free, resistant to rust and corrosion and have an efficient, aerodynamic design. Louvers are curved for a tight seal when closed and corners are fused together for exceptional strength and durability. Optional integrated shutter motors available.

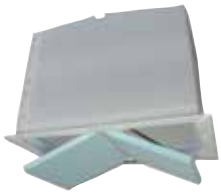


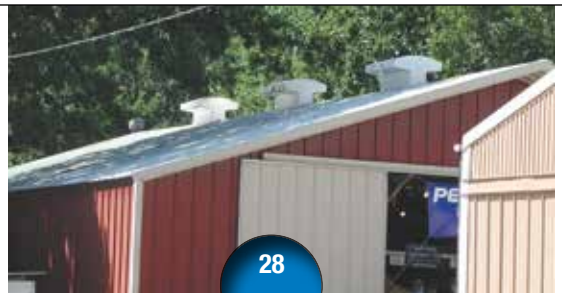
Motorized PVC Shutters MIT Models

Standard PVC Shutter	Motorized PVC Shutter	Size	A-Height	B-Width
PS12	**MIT-1200**	12"	12-1/8"	12-1/8"
PS14	N/A	14"	14-1/8"	14-1/8"
PS16	**MIT-1600**	16"	16"	16"
PS18	N/A	18"	18-1/8"	18-1/8"
PS20	**MIT-2000**	20"	20"	20"
PS22	**MIT-2200**	22"	22-1/8"	22-1/8"
PS24	N/A	24"	24"	24"
PS27	N/A	27"	27-1/4"	27-1/4"

Air Inlets and Vents

Animal confinement facilities require weather-proof inlets and vents to maintain healthy and comfortable environments. Choose from Schaefer's wide selection of cost effective, long-lived, polyethylene roof, ceiling and wall inlets and vents.

	Model	Description	CFM@ 0.125" SP	Rough-in (W x H)
	RV-3000	**High Volume Roof/Ridge Inlet and Exhaust Vent** • Exhausts hot air in the summer; an inlet for fresh air in the winter • One-piece molded polyethylene construction with UV protection for long life • Installs on roofs with pitches from 2/12 to 6/12 • Downward facing bird-screened inlets protected from rain and snow • Inlets remain functional despite snow drifts up to 14" deep	3000	11-1/2" x 47" 10 YEAR WARRANTY
	**CI-1300**	**Ceiling Inlet** • Draws fresh air from above an interior ceiling • Mounts flush with ceiling and extends 16" into attic • Durable polyethylene housing with insulated damper doors • Normally closed damper doors open wider with higher airflow • Fits between 16" or 24" ceiling joists	1350	13-1/2" x 22-3/4" 2 YEAR WARRANTY
	HI-1000P	**Hall Inlet** • Designed to control airflow between two interior spaces • Mounts flush to an interior wall up to 6" thick • Durable polyethylene housing with insulated damper door and air deflectors adjust airflow volume and direction with the seasons	1000	22-3/8" x 11-1/4" 2 YEAR WARRANTY
	WI-1000P	**Wall Inlet** • Draws outside air through walls up to 8" thick • Mounts flush to an interior wall • Durable polyethylene housing with insulated damper door and air deflectors adjust airflow volume and direction with the seasons • Weatherhood protects bird screened inlet from the elements	1000	22-5/8" x 11-1/2" 2 YEAR WARRANTY
	WI-2000P	**Wall Inlet** • Draws outside air through walls up to 6" thick • Mounts flush to an interior wall • Durable polyethylene housing with insulated damper door and air-stop door adjust airflow volume and direction with the seasons • Weatherhood protects bird screened inlet from the elements	2000	22-3/4" x 19" 2 YEAR WARRANTY



Fan and Heater Controls

Schaefer offers a broad range of sensors and manual and automatic controls to allow dairymen, greenhouse operators, plant managers and others to control fans and heaters and optimize thermal comfort in their facilities. Brief descriptions of Schaefer's most popular controls and sensors are provided below. Other controls and sensors are available.

	Model	Description
Speed Controls		
AVS-500	**AVS-500**	Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, automatic shutoff and RFI filter; 10A@115/230V output.
	AVS-550	Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, automatic shutoff, digital display and RFI filter; 10A@115/230V output.
AVS-650	**AVS-650**	Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, automatic shutoff, heater interlock, digital display and RFI filter; 10A@115/230V output.
	MTC-300	Temperature based Automatic Variable Speed control in water and corrosion resistant container with adjustable idle speed, adjustable temperature differential, and RFI filter; 10A@115/230V output.
MTC-300	**H-115**	Manual Variable Speed Control with RFI filter in water and corrosion resistant container; 6A@115V output.
	H-230	Manual Variable Speed Control with RFI filter in water and corrosion resistant container; 6A@230V output.
	MSC-400	Manual Variable Speed Control with on/off toggle switch and RFI filter in non-corrosive container; 12.5A@115/230V output.
Humidistat, Thermostats and Switches		
TF115	**THC-1**	Humidity Controller for portable evaporative coolers to manage humidity levels with the turn of a dial.
	TF115	1-Stage Thermostat Switch, 40°F to 110°F with 3° differential, NEMA 4x, UL E50023; 16A@120V, 12A@240V, 10A@277V.
	T335	1-Stage Thermostat Switch, 40°F to 102°F with 2.7° differential, weatherproof enclosure: 12A@120V, 10A@240V; imported.
TH109	**TH109**	2-Stage Thermostat Switch, 40°F to 100°F with 3° differential, NEMA 4x, UL E50023; 16A@120V, 12A@240V, 10A@277V.
	FS-20	Manual Switch for 2-speed motors with heavy duty toggle switch in water and corrosion resistant container.
Programmable Controllers		
SEC-HD	**NVC**	Natural Ventilation Control with 2 relay stages (open/close); adjustable temperature set-point and differential; manual override; LED display; corrosion, water and fire resistant enclosure; CSA approved; 6A@115/230V (relay stages).
	TVS	3-Stage Environmental Control with 2 variable stages and 1 relay stages plus 1 alarm relay; 7 configurable programs; adjustable temperature set-point, differential and hi/lo alert settings; LED display; corrosion, water and fire resistant enclosure; CSA approved; 7.5A@115/230V (variable stages) and 6A@115/230V (relay stage).
PEC-PLUS	**SEC-HD**	5-Stage Environmental Control with 2 variable stages and 3 relay stages plus 1 alarm relay; 7 configurable programs; adjustable temperature set-point, differential and hi/lo alert settings; LED display; corrosion, water and fire resistant enclosure; CSA approved; 10A@115/230V (variable stages) and 6A@115/230V (relay stages).
	PEC-PLUS	8-Stage Environmental Control with 2 variable stages and 6 relay stages plus 1 alarm relay; programmable; adjustable temperature set-point, differential and hi/lo alert settings; LED display; corrosion, water and fire resistant enclosure; CSA approved; 10A@115/230V (variable stages) and 10A@115/230V (relay stages).
SUPRA	**SUPRA**	16-Stage Environmental Control with 4 variable stages and 12 relay stages plus 1 alarm relay; programmable; adjustable temperature set-point, differential and hi/lo alert settings; humidity and water use monitoring; 4-line LCD display; corrosion, water and fire resistant enclosure; CSA approved; 10A@115/230V (variable stages) and 10A @ 115/230V (relay stages).

HotZone® High Intensity Gas Infrared Heaters

The HotZone® high intensity gas heater delivers a large amount of radiant heat to a small area from a long distance. Heaters are available with standard lenses for larger area heating or HotZone linear an oval spot pattern or circular spot IRLens® for more focused heating. The HotZone high intensity gas heater use natural gas or propane heaters and are for indoor use only, not recommended for home or garage use.

Schaefer's K Series two-stage high intensity heaters maintain precise control of inside temperatures. Providing a soft heat 'low fire' and jumping to 'high fire' on demand for lower energy costs and controlled comfort levels.

Heater Series	Fuel	Power	Mounts	Control Voltage
HotZone Linear Heaters	Propane or Natural Gas	70, 110 or 175 mBtu/hr	Chain	115V, 24V, Millivolt
HotZone Spot Heaters	Propane or Natural Gas	35, 70 or 110 mBtu/hr	Chain	115V, 24V, Millivolt
K-Series Heaters	Propane or Natural Gas	30 - 200 mBtu/hr; 2-stage available	Chain	115V, 24V, Millivolt

Schaefer Low Intensity Gas Infrared Heaters

Schaefer's low intensity tube heaters deliver large amounts of heat to large areas from overhead heaters. The heaters are ideal for factories, warehouses, and arenas that are not equipped with forced air heating systems. The low intensity heaters offer the same amount of comfort as with forced air heating but at a 6°F to 10°F lower temperature set point. They are easy to install and inexpensive to operate.

GQG/GQU

For heater design and selection assistance, please call Customer Care at 1.800.779.3267

HZE15120BTP

HZE15120AF

HZS30240CART

HotZone® Portable Electric Infrared Heaters

Ideal for a wide variety of indoor and outdoor spot heating applications where gas heaters are inappropriate. These highly efficient electric infrared heaters are equipped with a lobster-eye inspired IRLens® to focus the heat to a spot. They raise the temperature of people or objects in the spot by 15°F or more and are designed for easy set-up, tear down and transport.

Model	Description	Power (Watts)	Mounts	Volts	Cord Length (feet)
HZE15120BTP	Curved Back, Black Aluminum	1500	Tripod Stand	120	9
Best Seller! **HZE15120AF**	Curved Back, Aluminum	1500	Floor Stand	120	9
HZS30240CART Limited Quantity	Square Back, Aluminum	3000	Portable Cart	240	25

Best Seller!

Z1-12CK

Zubri™ Portable Heater

Extend your patio and tent use through the cooler seasons with portable radiant heaters. Zubri™ heats approximately a 300 square foot area. No tools are necessary to assemble and it comes with its own hard-shell carrying case. The heater utilizes 20 pound propane tank and is for outdoor use only.

- Portable; legs detach for storage and transport
- Complete with hard-shell carrying case and carrying bag for reflector
- 40,000 Btu/hour maximum; adjustable heat control
- Tip switch

Motors

Stud Mount Style

Yoke Mount Style

Base Mount Style

Model	Description	HP	Phase	Speeds	RPM	Volts	Label Amps	Service Factor	NEMA Frame Size	Shaft Dimensions Diameter x Length	Certifications
Stud Mount Motors Without Yoke											
CS100	TEAO, TP, 40°	1/100	1	1	1550	115	0.6	1.0	3.3"	1/4" x 1-1/2"	CSA, UL
CS130	TEAO, TP, 40°	1/30	1	1	1550	115	0.9	1.0	3.3"	5/16" x 1-3/4"	CSA, UL
CS110	TEAO, TP, 40°	1/10	1	1	1725	115/230	1.3/.65	1.0	42	1/2" x 2-5/8"	CSA, UL
Stud Mount Motors With Yoke											
CS240	TEAO, TP, 40°	1/4	1	2	1100/800	115	2.9/1.6	1.0	48	1/2" x 2-9/16"	CSA, UL
CS103*	TEAO, TP, 40°	1/3	1	1	1725	115/230	3.8/1.9	1.0	48	1/2" x 2-1/2"	CSA, UL
CS103WD*	TEAO, TP, 40°, WD	1/3	1	1	1700	115/230	4.9/2.5	1.0	56	1/2" x 2"	CSA, UL
CS103WD-3*	TENV, 40°, WD	1/3	3	1	1725	208-230/460	1.9-1.8/0.9	1.35	48	1/2" x 2"	CSA, UL
CS102WD*	TEFC, 40°, WD	1/2	1	1	1725	115/230	7.4/3.7	1.25	48	1/2" x 2-1/4"	CSA, UL
CS102WD-3*	TEFC, 40°, WD	1/2	3	1	1725	230/460	2.0/1.0	1.25	48	1/2" x 2-1/4"	CSA, UL
CS102SSL*	TEFC, 40°, SS	1/2	1	1	1725	115/230	8.2/4.1	1.15	56	5/8" X 2-1/16"	CSA, CE, UL
CS102SSL-3*	TENV, 40°, 50HZ, SS	1/2	3	1	1740/1440	208-230/460	1.5-1.6/0.8	1.15	56	5/8" x 2-1/16"	CSA, UL
CS102*	TEAO, TP, 40°, 50HZ	1/2	1	1	1725/1425	115/230	4.8/2.4	1.0	48	5/8" x 2-1/2"	CSA, UL
CS123*	TEAO, TP, 40°, 50HZ	1/2	3	1	1750/1450	230/460	1.2/0.6	1.0	48	5/8" x 2-1/2"	CSA, UL
CS300*	TEAO, TP, 40°	1/2	1	2	1075/850	115	5.2/2.8	1.0	48	1/2" x 3-3/16"	CSA, UL
CS802*	TEAO, TP, 40°	1/2	1	1	825	115/230	7.0/3.5	1.0	48	5/8" x 2-5/8"	CSA, UL
CS8123*^	TEAO, TP, 40°, 50HZ	1/2	3	1	825	230/460	2.3/1.2	1.0	56	5/8" x 2-3/4"	CSA, UL
CS850*	TEAO, TP, 40°, 50HZ	1/2	1	1	840	220-240@50Hz	3.1	1.0	48	5/8" x 2-3/4"	CSA, UL
Base Mount Motors											
CS580*	TEAO, TP, 40°	1/2	1	1	1725	115/230	4.6/2.3	1.0	56	5/8" x 1-7/8"	CSA, UL
CS202*	ODP, TP, 60°	1/2	1	2	1725/1140	115	6.0/3.0	1.0	56	5/8" x 1-7/8"	CSA, UL
CS237*	ODP, TP, 40°, 50HZ	3/4	1	1	1725/1425	120/240	8.8/4.4	1.25	56	5/8" x 1-7/8"	CSA, UL
CS342*	TEAO, TP, 40°	3/4	1	2	1725/1140	115	9.3/5.3	1.0	56	5/8" x 1-7/8"	CSA, UL
CS421*	TEAO, TP, 40°	3/4	1	1	1725	115/230	7.8/3.9	1.25	56	5/8" x 1-7/8"	CSA, UL
CS423*	TENV, 40°	3/4	3	1	1725	200-230/460	2.3-2.4/1.2	1.15	56	5/8" x 1-7/8"	CSA, UL
CS782*	TEAO, TP, 40°, 50HZ	1	1	1	1725/1425	115/230	8.4/4.2	1.15	56	5/8" x 1-7/8"	CSA, UL
CS596*	TEAO, TP, 40°	1	1	2	1725/1140	115	12.4/5.4	1.00	56	5/8" x 1-7/8"	CSA, UL
CS512PE*^	TENV, TP, 40°, 50HZ	1	3	1	1760/1450	208-230/460	3.2-3.2/1.0	1.25	56	5/8" x 1-7/8"	CSA, CE, UL
CS535T*	TEAO, TP, 40°, 50HZ	1-1/2	3	1	1725/1425	208-230/460	4.7/2.3	1.15/1.0	56	5/8" x 1-7/8"	CSA, UL
CS41121*	TEAO, TP, 40°, 50HZ	1-1/2	1	1	1725/1425	208-230	6.8-6.4	1.20	56	5/8" x 1-7/8"	CSA, CE, UL
CS513PE*^	TENV, TP, 40°, 50HZ	1-1/2	3	1	1750/1450	208-230/460	4.6-4.8/2.4	1.25	56	5/8" x 1-7/8"	CSA, CE, UL
CS514PE*^	TENV, TP, 40°, 50HZ	2	3	1	1745/1435	208-230/460	6-5.8-2.9	1.25	56	5/8" x 1-7/8"	CSA, UL
CS4123-VFD^	TEAO, TP, 40°, 50HZ	1/2	3	1	1730/1425	208-230/460	1.8/1.9	1.15	S56	5/8" x 2"	CSA, UL
CS8123-VFD^	TEAO, TP, 40°, 50HZ	1/2	3	1	825	208-230/460	2.7/1.35	1.0	48	5/8" x 2-3/4"	CSA, UL
CS4343-VFD^	TEAO, TP, 40°, 50HZ	3/4	3	1	1725	208-230/460	2.5-2.4/1.2	1.25	56	5/8" x 2"	CSA, UL

* Reversible

• Currents and RPM's are manufacturer's ratings. Actual performance readings may vary.

^ VFD compatible

Description Legend: **TEAO**=Totally Enclosed, Air Over. **TEFC**=Totally Enclosed, Fan Cooled. **TENV**=Totally Enclosed, Non Ventilated. **TP**=Thermally Protected. **ODP**=Open Drip Proof. **WD**=Washdown Rated. **SS**=Stainless Steel Housing. **40°**=40°C Ambient Rated. **60°**=60° Ambient Rated. **50HZ**=50HZ Compatible.

For a complete list of motors, go to www.schaeferventilation.com or call 1.800.779.3267

Fan Blades

Model	Diameter	Wings	Pitch	Bore Size	Typical HP Used	Max RPM	Schaefer Fan Model
Aluminum Blades							
AFB-8	8"	5	34°	1/4"	1/100	1550	VK8
AFB-105SF	10"	5	24°	5/16"	1/30	1550	SFT-1200
AFB-123SQ	12"	3	30°	1/2"	1/10	1725	VK12, VK12TF-SPM
AFB-144SF	14"	4	15°	1/2"	1/10	1725	SFT-1600
AFB-184SF	18"	4	22°	1/2"	1/3	1725	SFT-2000
AFB-2000SQ	20"	3	25°	1/2"	1/4	1100	20CFO
AFB-203SQ	20"	3	18°	1/2"	1/3	1725	VK20, VK20TF-SPM, F5-20
AFB-203SQ-58	20"	3	20°	5/8"	1/3	1750	VK20-3
AFB-243SQ	24"	3	14°	5/8"	1/2	1725	VK24, F5-24
AFB-2400SQ	24"	3	16°	1/2"	1/4	1100	24CFO
AFB-3000SQ	30"	3	14°	1/2"	1/2	1075	30CFO
AFB-3600	36"	3	15°	1/2"	1/2	1075	36CFO
SAFB-403P	40"	3	31°	1"	1	1725	PROK142-2HV
Galvanized Blades							
GFB-245	24"	5	24°	5/8"	1/2	825	PFM2405, 245SDD12, 245P12DD
GFB-303	30"	3	32°	5/8"	1/2	825	303SDD12
GFB-305	30"	5	40°	1"	1/2	1725	305S12
GFB-363-22	36"	3	22°	5/8"	1/2	825	VK36, 36DF, VKM36, 363P122DD
GFB-363-20	36"	3	20°	5/8"	1/2	825	VS36VKM-2, VS36VKT-2
GFB-363HV	36"	3	35°	1"	1	1725	363P1, 363P1-3
GFB-363P	36"	3	38°	1"	1/3 - 1	1725	36" Panel and Exhaust
GFB-365	36"	5	40°	1"	1/2	1725	36" Panel and Exhaust
GFB-485P	48"	5	40°	1"	1	1725	48" Panel and Exhaust
GFB-523P	52"	3	30°	1"	1	1725	52" Panel and Exhaust
GFB-52123	52"	3	25°	1"	1	1760	52" Panel and Exhaust
GFB-525P	52"	5	37°	1"	1	1725	52" Panel and Exhaust
GFB-543	54-1/2"	3	32°	1"	1-1/2	750	54" Galvanized Panel, 54" Box and Slant Wall Cone Fans
GFB-54343-32	54-3/4"	3	32°	1"	1-1/2	750	543SMCB112G-HV, 543SMCB112G-HY, 543SMCB112G-HE
GFB-545	54-1/2"	5	38°	1"	1-1/2	750	54" Galvanized Panel, 54" Box and Slant Wall Cone Fans
GFB-573P	57"	3	33°	1"	2	1745	57" Exhaust
GFB-575P	57"	5	33°	1"	2	1745	57" Exhaust
Polypropylene Blades							
PFB-906	9"	6	35°	3/8"	1/6	3300	PFM0900
PFB-126	12"	6	45°	1/2"	1/6	1725	PFM1200, H1200
PFB-163	16"	3	40°	1/2"	1/3	1725	PFM1600, H1600
PFB-203	20"	3	30°	1/2"	1/3	1725	PFM2000, H2000
PFB-203-58	20"	3	30°	5/8"	1/3	1700	20CFO-EWDP
PFB-203-V	20"	3	35°	5/8"	1/3	1590	20CFO-VWDP
PFB-204	20"	4	40°	5/8"	1/2	1725	PFM20HC, H2000
PFB-244	24"	4	25°	5/8"	1/2	1725	PFM2400, 24CFO-EWDP, 24CFO-SWDP
Stainless Steel Blades							
SSFB-243-58	24"	3	14°	5/8"	1/2	1725	24CFO-EWDS, 24CFO-SWDS
SSFB-302-B	30"	2	10°	5/8"	1/2	1725	30CFO-EWDS, 30CFO-SWDS
SSFB-363	36"	3	17°	5/8"	1/2	825	FFM363SD12
SSFB-526	52"	6	26°	1"	1-1/2	1725	52" Panel and Exhaust

For a complete list of blades, go to www.schaeferventilation.com or call 1.800.779.3267

Warning: Fan blades will vibrate or break if operated beyond their maximum RPM or at a resonant frequency. The use of untested blade and motor combinations is not recommended and not warrantied.

CIrculation Fan Mounts

TSB-100
Tilt Swivel Bracket

VS12FMT
Ceiling Mount

VS20FMT
Ceiling Mount

VS36FMT
Ceiling Mount

CIRC36CMKIT3
Collar Fan Mount for
Basket Fans

WMTA24-B
Wall Mount

VS20240SC
Oscillator Wall Mount

VS2430FP
Square Base
Pedestal

PED24TPQR
Tripod
Pedestal

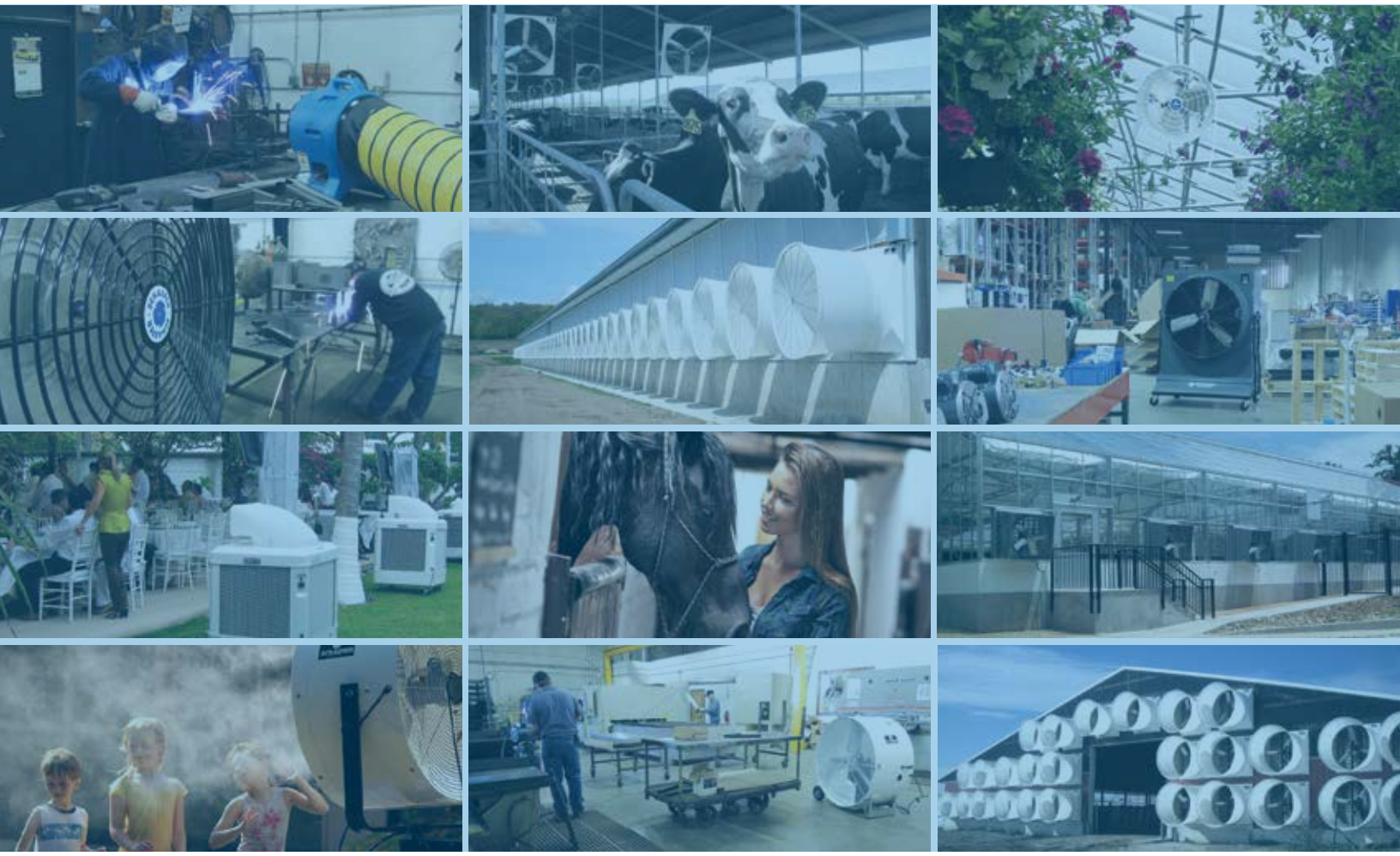
Model	Description	Fan Size
Ceiling Mounts		
TSB-100	Ceiling tilt swivel bracket 24" length	12" - 24"
TSB-200	Ceiling tilt swivel bracket 31" length	30" - 36"
VS12FMT	Ceiling mount 5" length	12"
VS20FMT	Ceiling mount 8" length	20"
VS24FMT	Ceiling mount 10" length	24" - 30"
VSCK-MT2	Ceiling mount 10" length for Cattle Kooler	30" and smaller
VS30FMT-SS	Ceiling mount - stainless steel 13-1/2" length	24" - 30"
VS36FMT	Ceiling mount 18" length	30" - 36"
Pole and Post Mounts • Additional styles available		
VS12SPM	Standard pole mount for common round 2 to 3-1/2" poles	12" Tent Fan
CIRC36CMKIT3	Galvanized fan mount for basket fans with 3" collar for round columns	Up to 36"
CIRC36CMKIT4.5	Galvanized fan mount for basket fans with 4-1/2" collar for round columns	Up to 36"
Wall Mounts		
WMTA24-B	Wall mount, adjustable, 13" high x 16" deep	24" and smaller
WMTA24-SS	Wall mount, adjustable, stainless steel, 13" high x 16" deep	24" and smaller
WMTA30-B	Wall mount, adjustable, 16" high x 19" deep	30" and smaller
WMTA30-SS	Wall mount, adjustable, stainless steel, 16" high x 19" deep	30" and smaller
WMTA36-B	Wall mount, adjustable, 19" high x 22" deep	42" and smaller
VS36WMT	Wall mount 18" high x 26-1/4" deep	36" and smaller
VS20240SC-115	Wall mount, oscillating, 115V, 60 Hz	30" and smaller
VS20240SC-220	Wall mount, oscillating, 220V, 50 and 60 Hz	30" and smaller
Fan Cart and Pedestals*		
VS2430FC	Black fan cart 33" high x 29-1/4" deep	30" and smaller
VS2430FP	Black floor pedestal 32" square base • Approx. 42" - 72" high	36" and smaller
VS2430FPR-E	Economy black floor pedestal 27" round base • Approx. 43-1/2" to 57-1/2" high	30" and smaller
PED24TPQR	Tripod black pedestal with quick release fan mount • Approx. 54" to 80" high	24" and smaller

*For safety, fans mounted below seven feet should be OSHA guarded.

SCHAEFER

2015/2016 SOURCE BOOK

www.schaeferventilation.com



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